

FIG. 1(a)

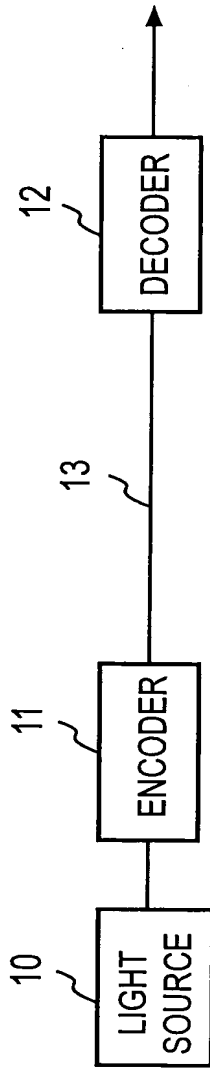


FIG. 1(b)

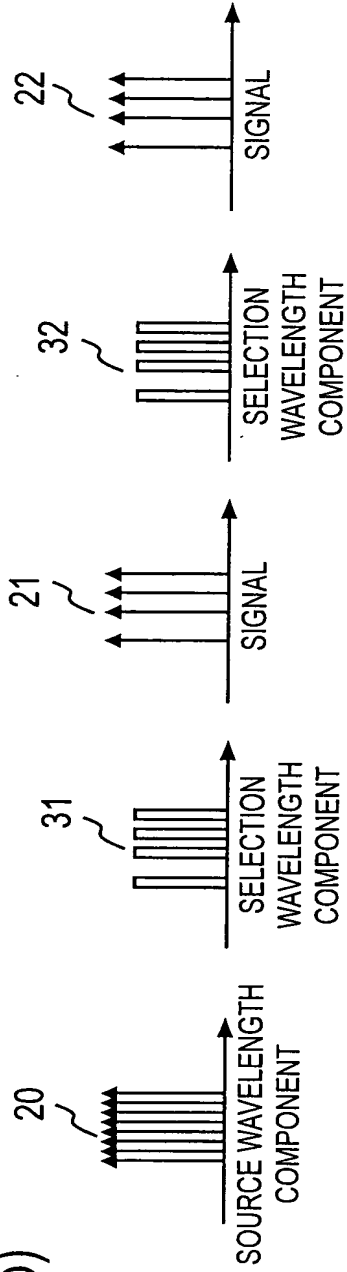


FIG. 1(c)

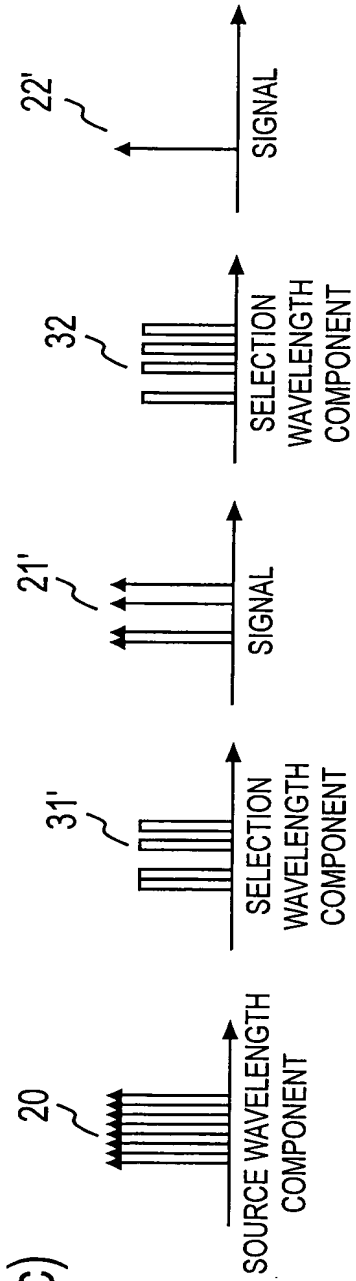


FIG. 2(a)

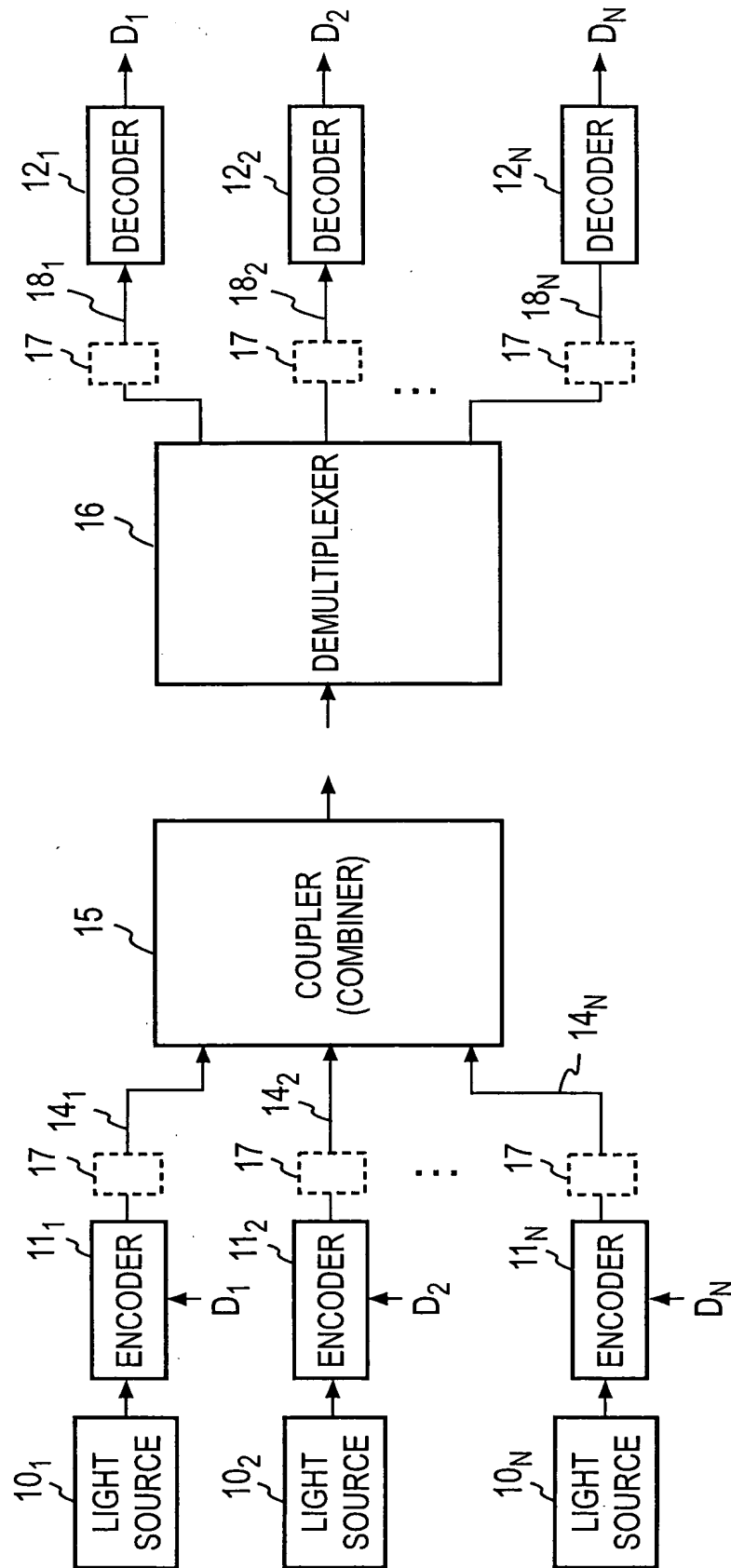


FIG. 2(b)

FIG. 3(b)

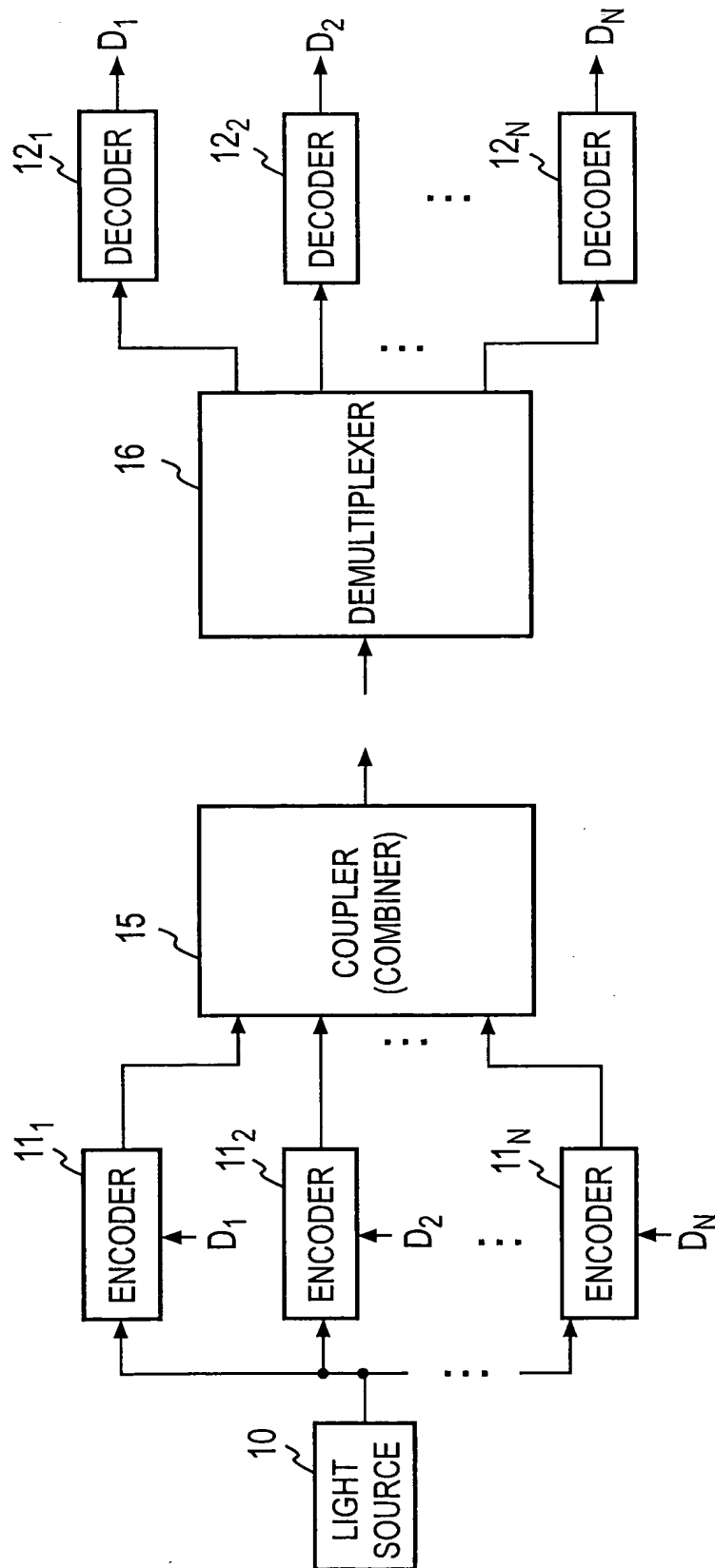


FIG. 3(a)

FIG. 4

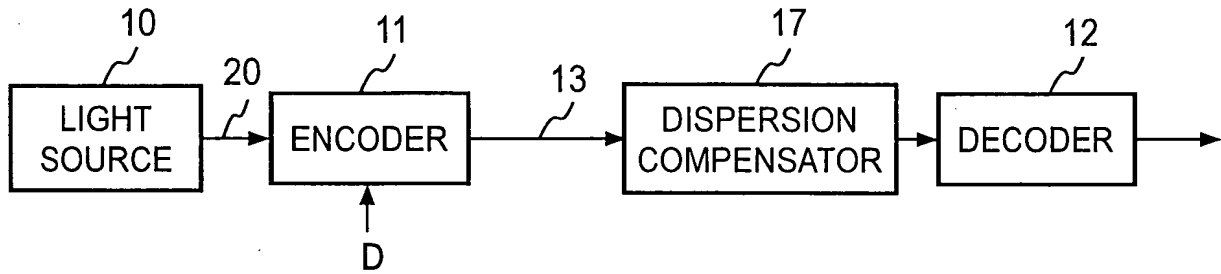


FIG. 5(a)

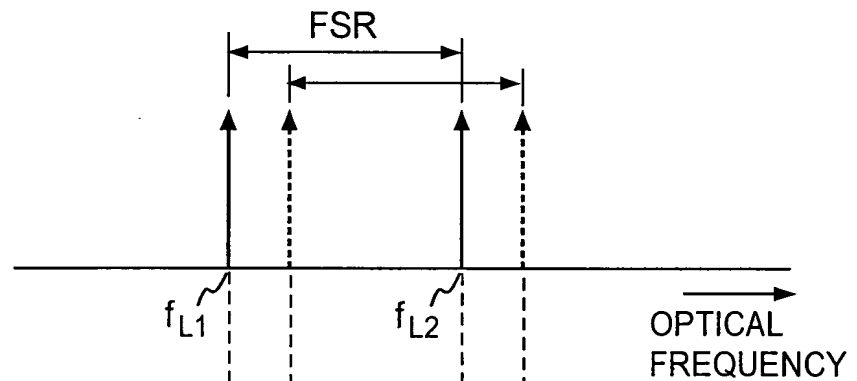


FIG. 5(b)

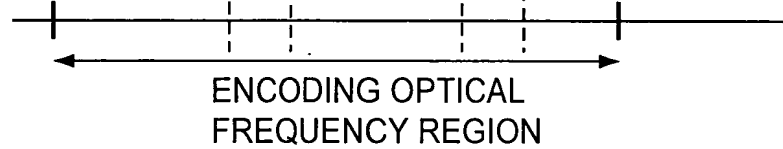


FIG. 5(c)

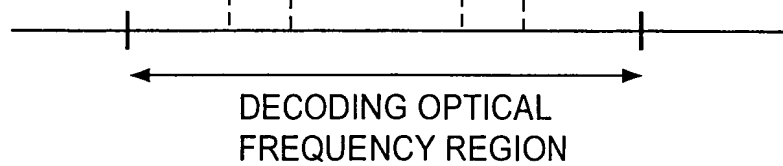


FIG. 6(a)

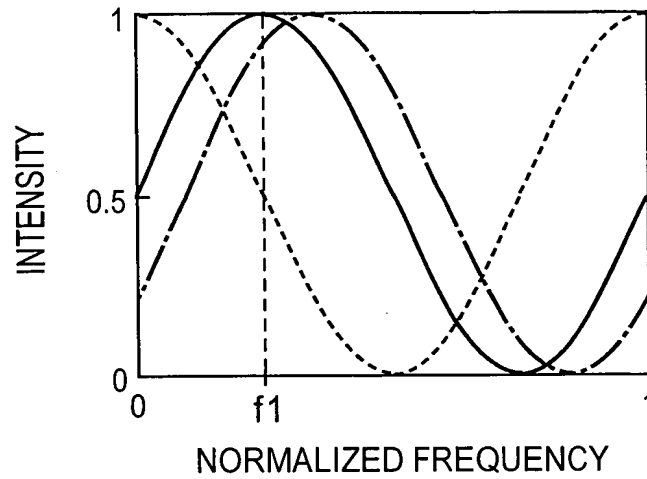


FIG. 6(b)

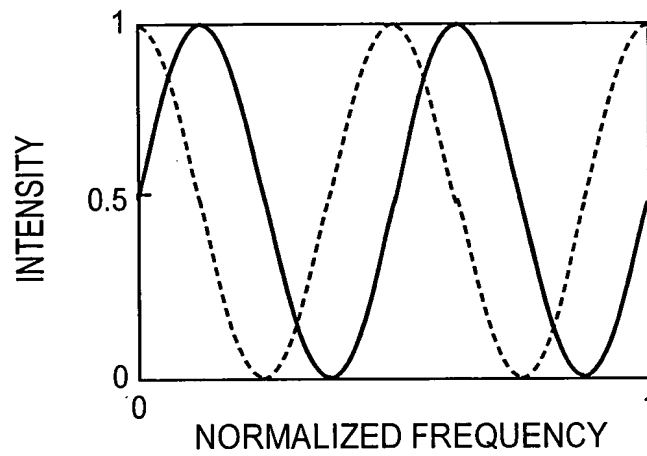


FIG. 6(c)

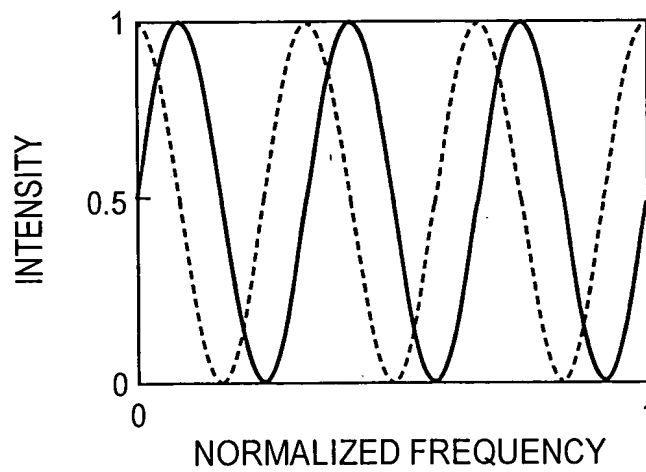


FIG. 7

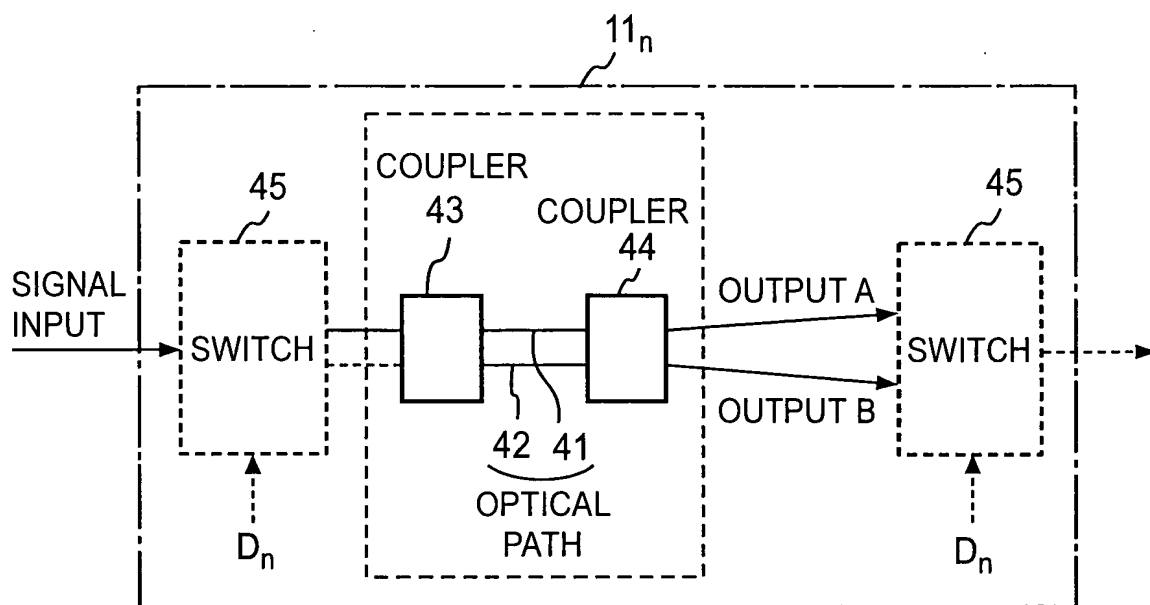


FIG. 8

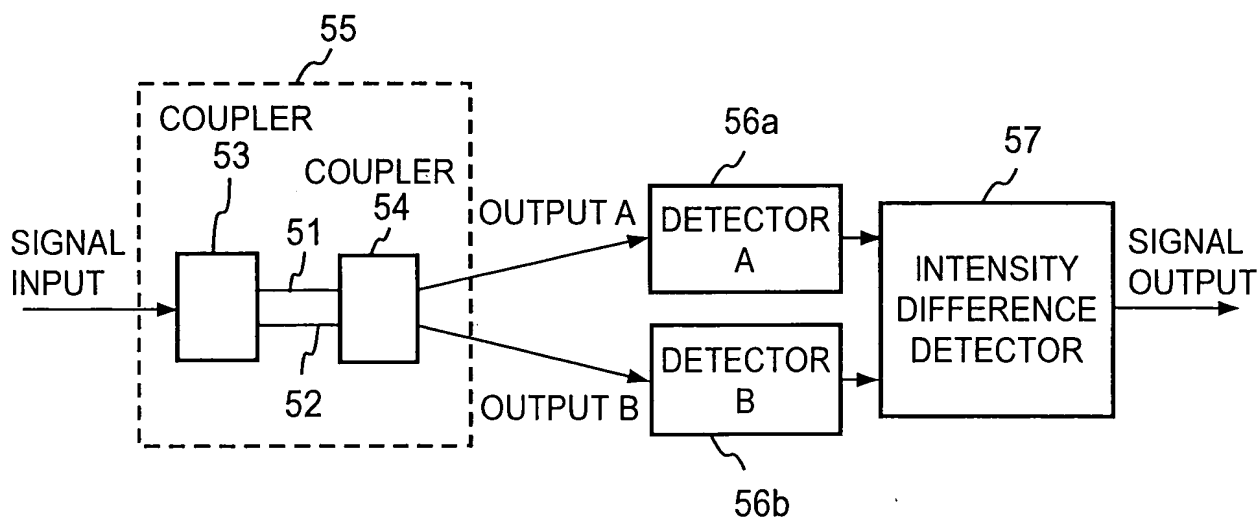


FIG. 9

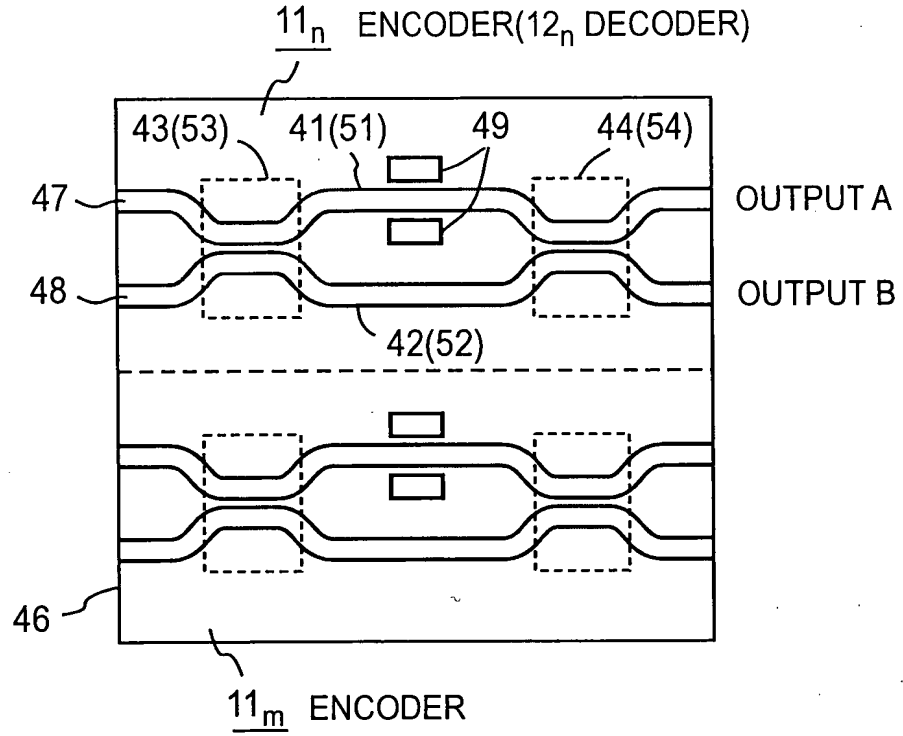


FIG. 10(a) $H_1 = \begin{pmatrix} 0 & 0 \\ 0 & 1 \end{pmatrix}$

FIG. 10(b) $H_2 = \begin{pmatrix} H_1 & H_1 \\ H_1 & H_1 \end{pmatrix} = \begin{pmatrix} 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 1 \\ 0 & 0 & 1 & 1 \\ 0 & 1 & 1 & 0 \end{pmatrix}$

FIG. 10(c) $H_n = \begin{pmatrix} H_{n-1} & H_{n-1} \\ H_{n-1} & H_{n-1} \end{pmatrix} \quad (n > 1)$

FIG. 11(a)

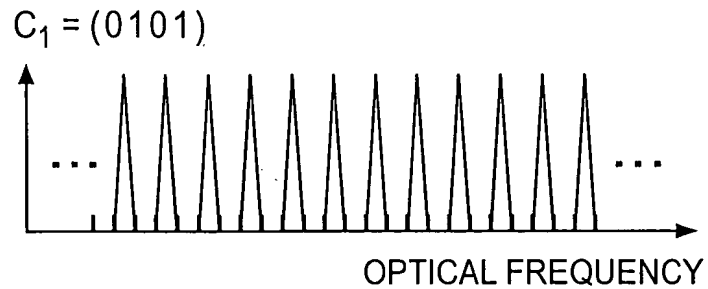


FIG. 11(b)

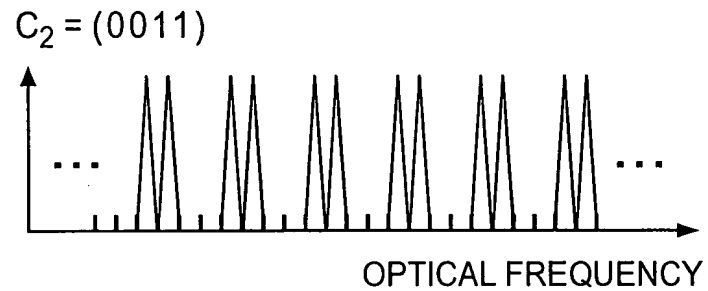
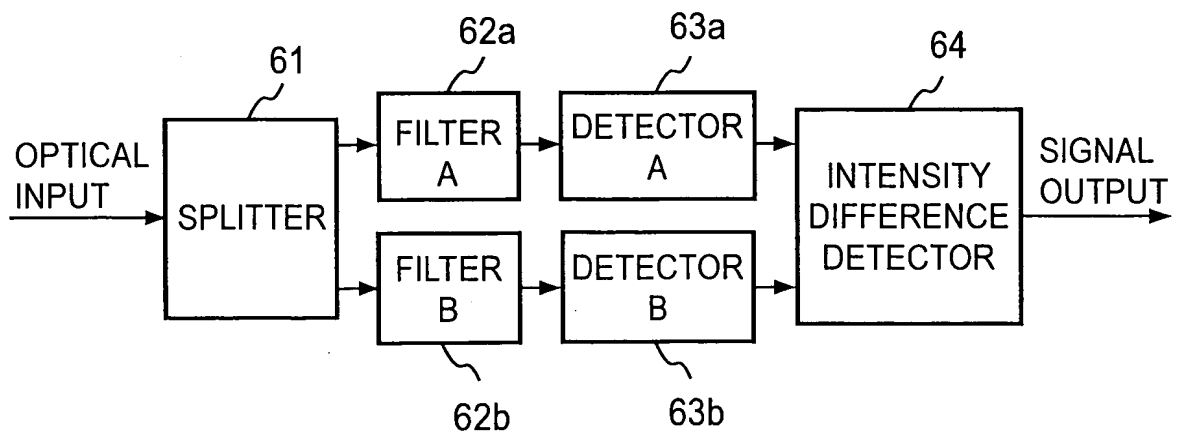


FIG. 12



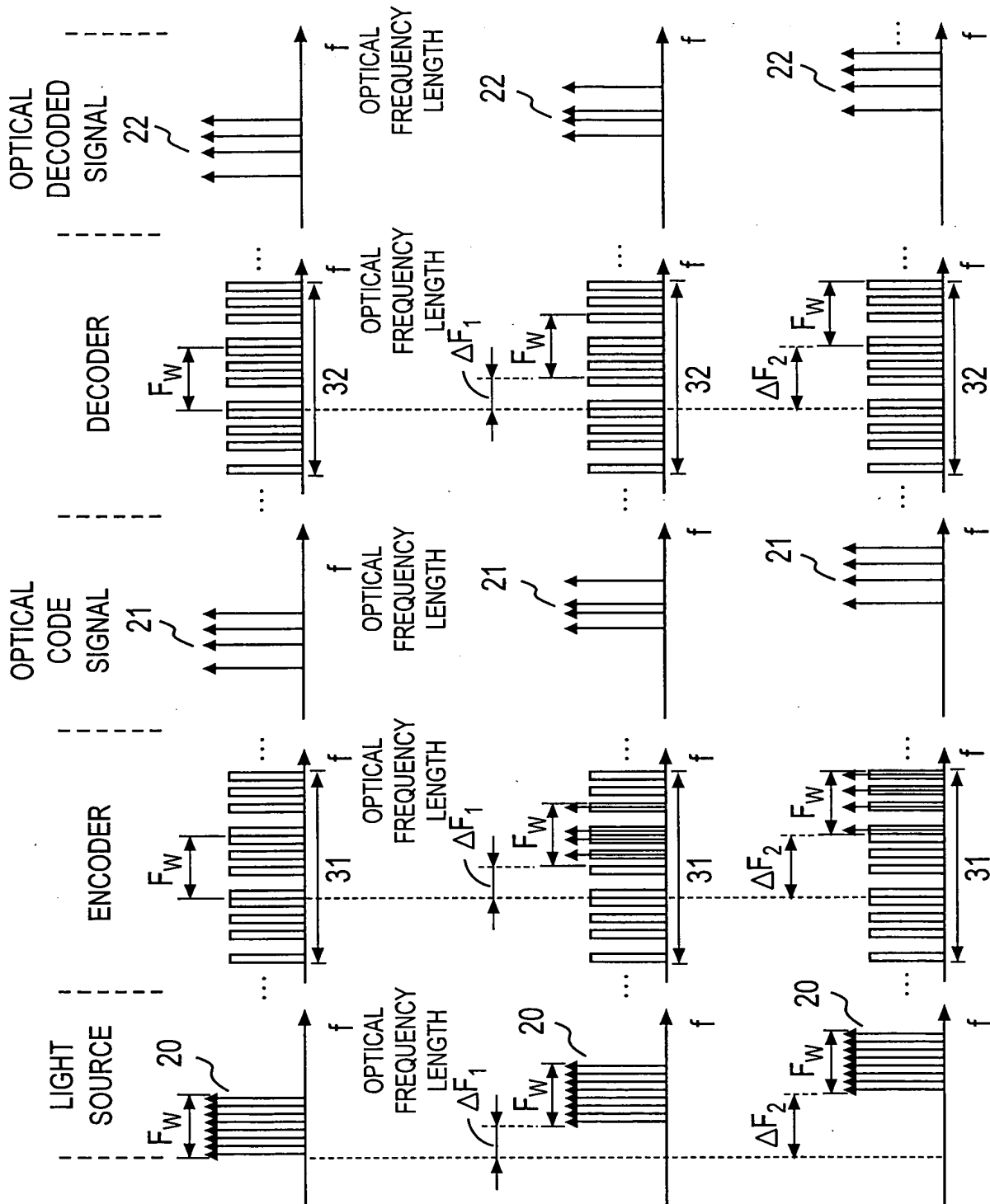


FIG. 13(a)

FIG. 13(b)

FIG. 13(c)

FIG. 14

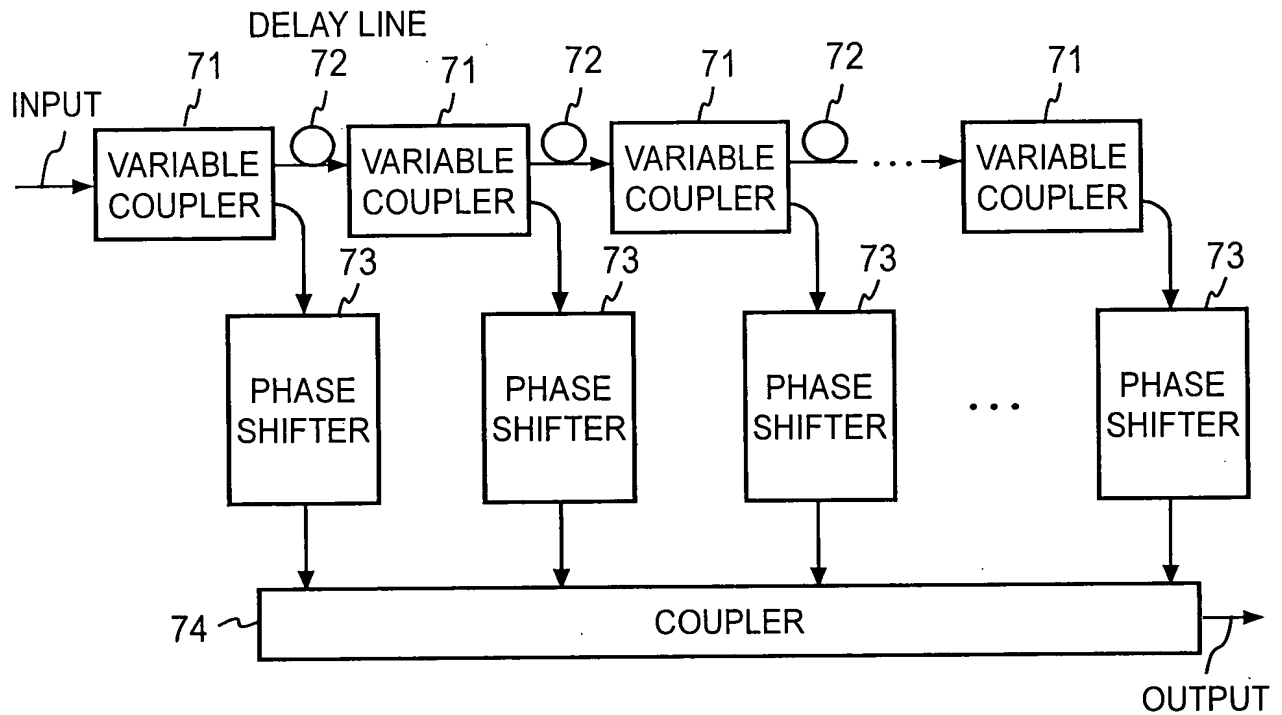


FIG. 15

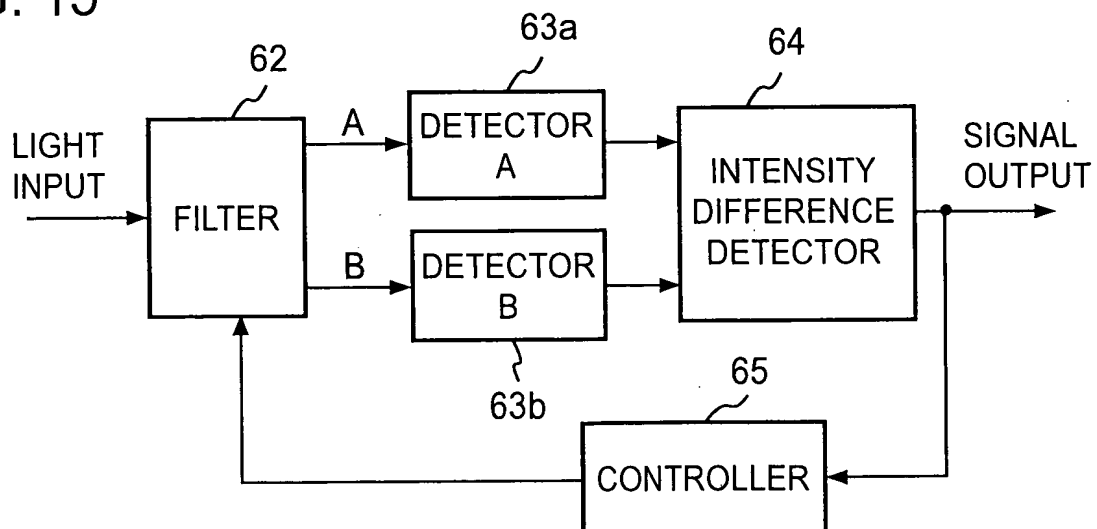


FIG. 16

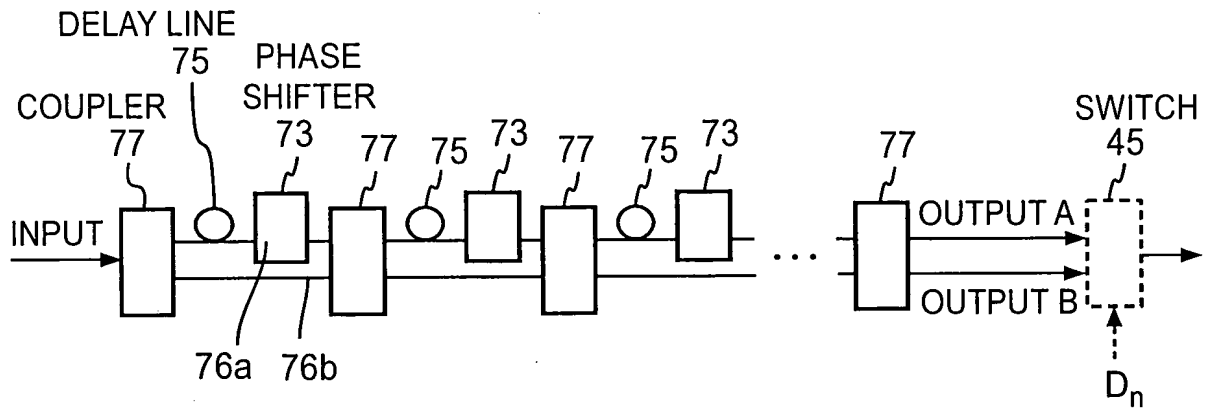


FIG. 17

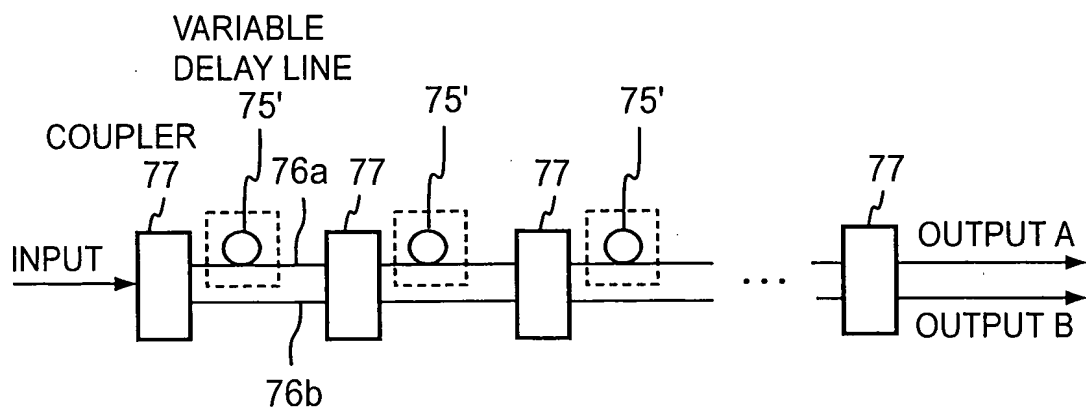


FIG. 18

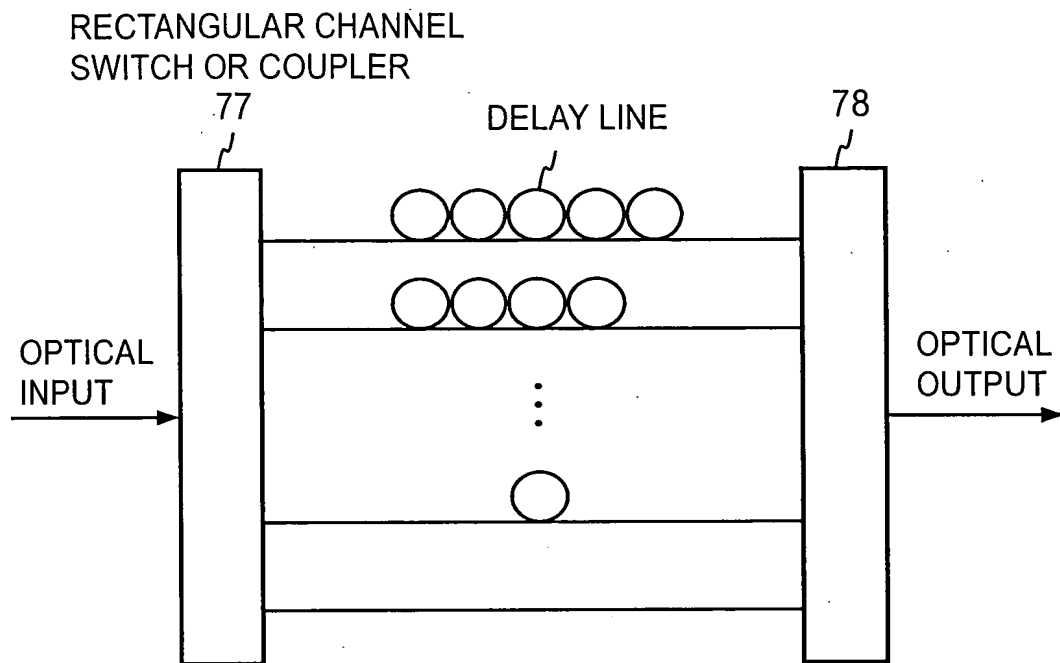
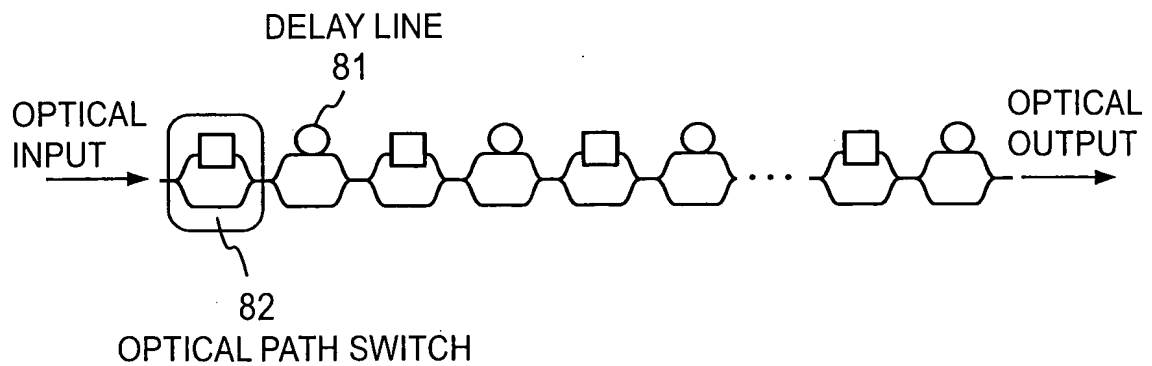


FIG. 19



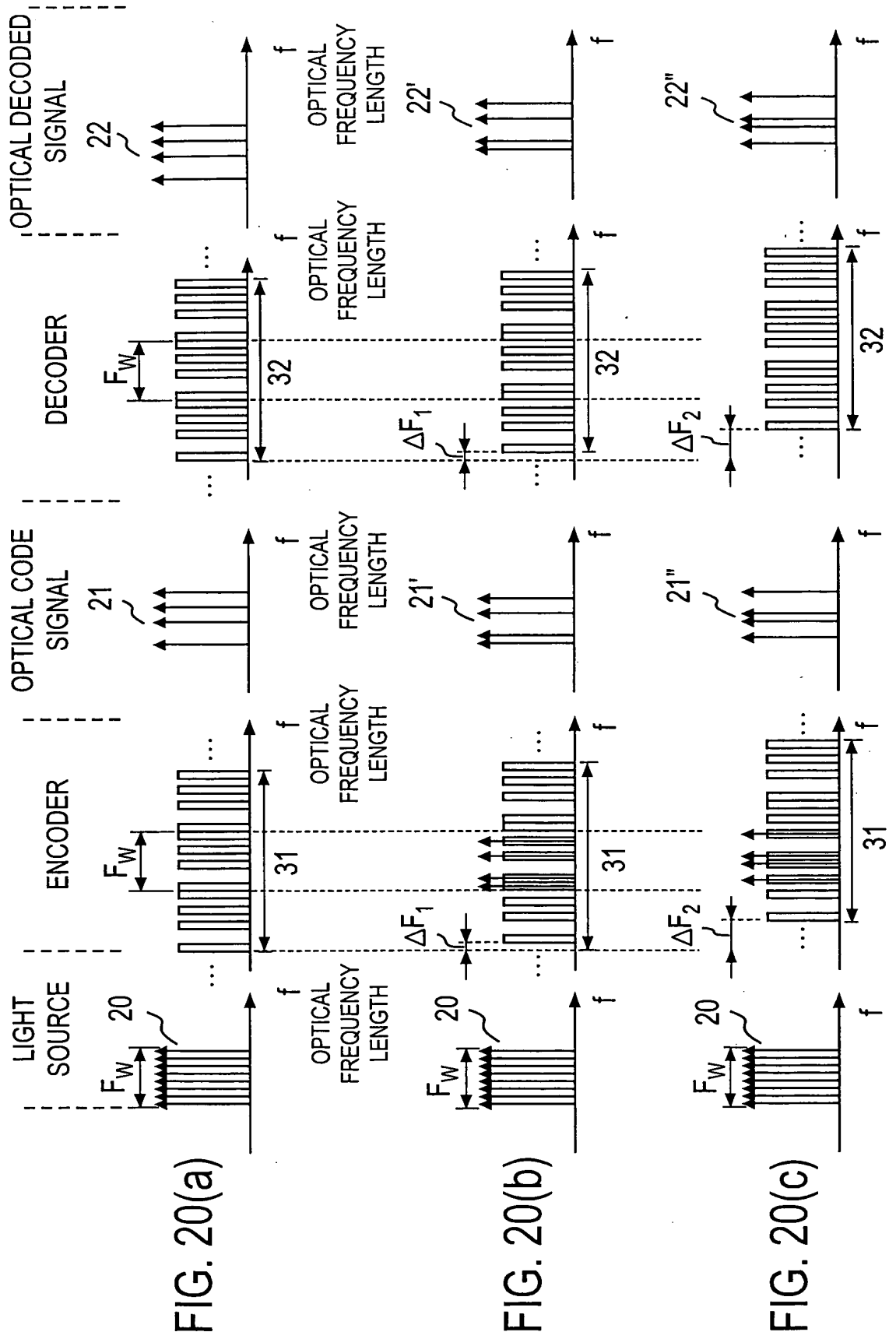


FIG. 21

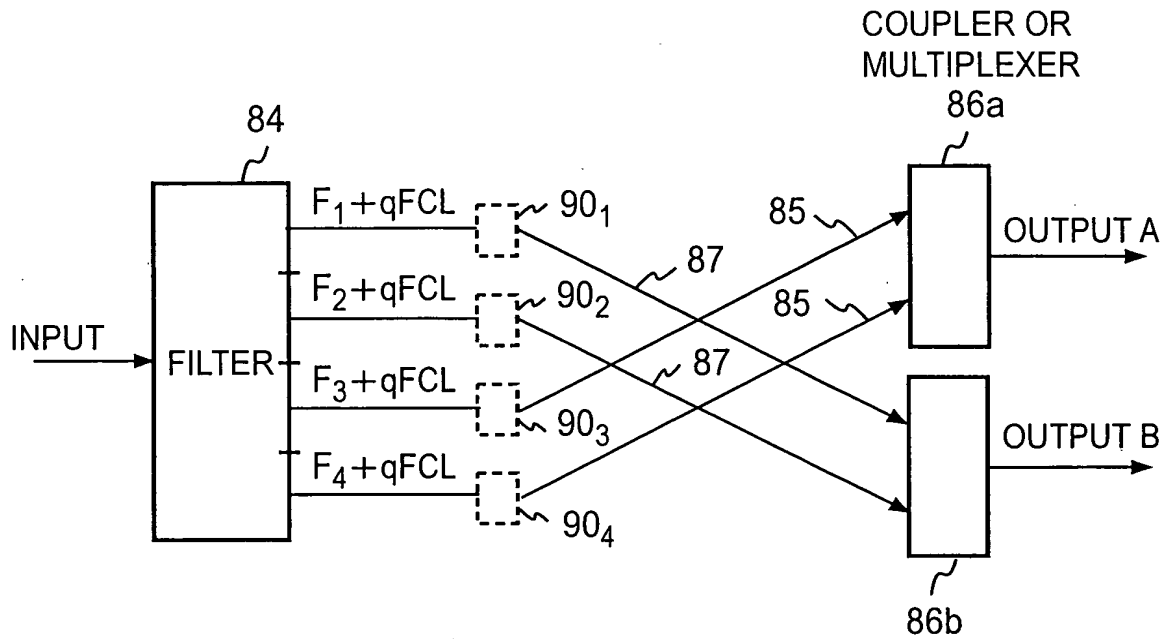
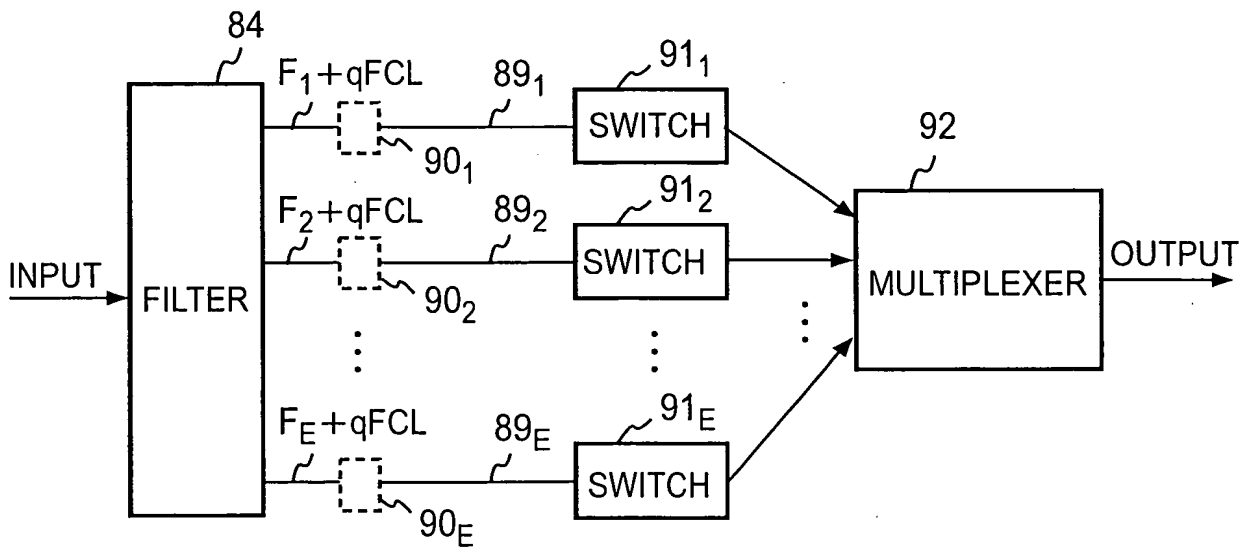


FIG. 22



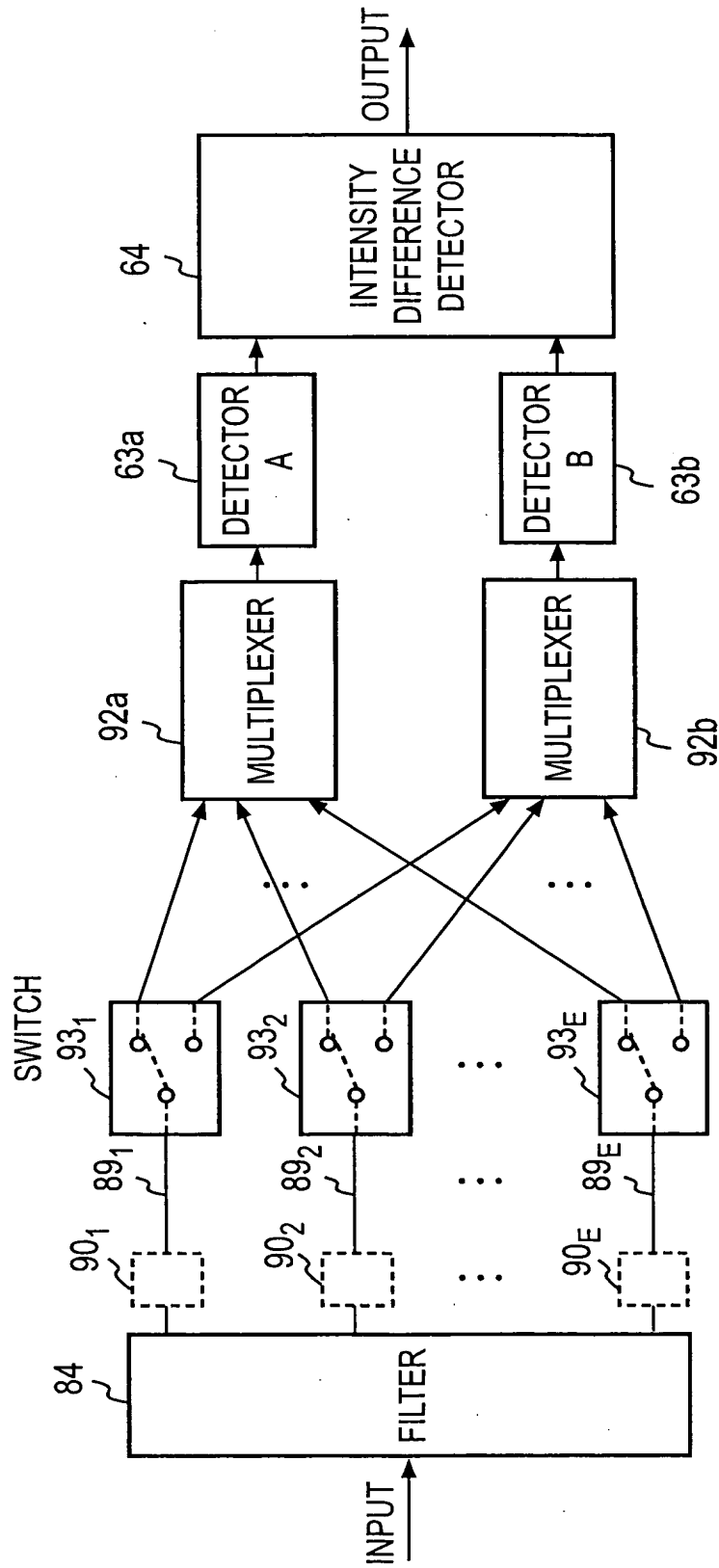
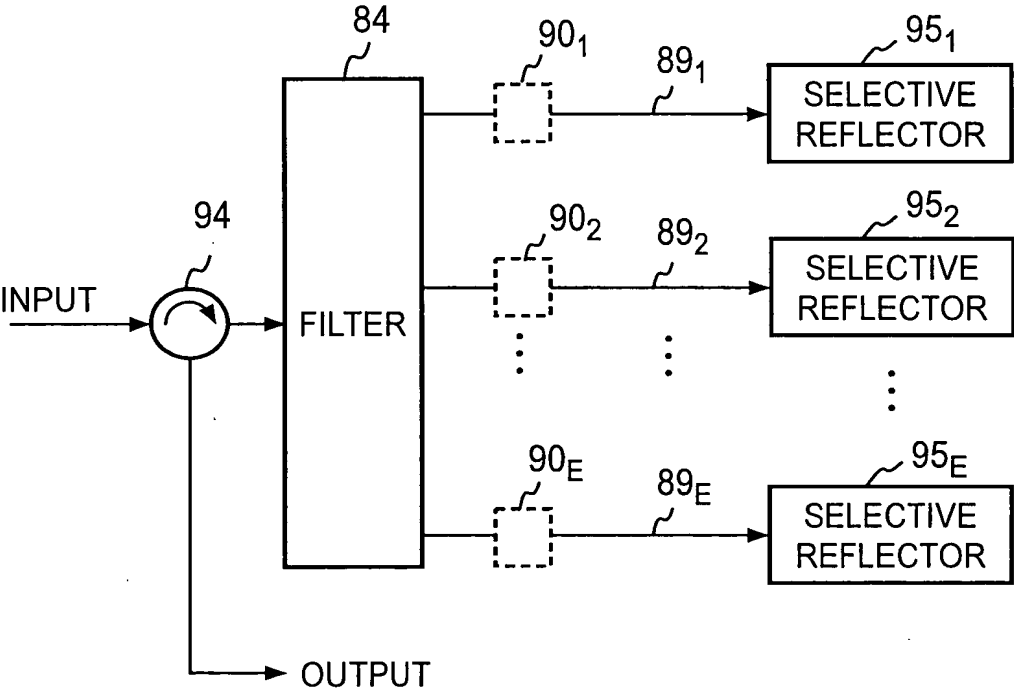


FIG. 23

FIG. 24



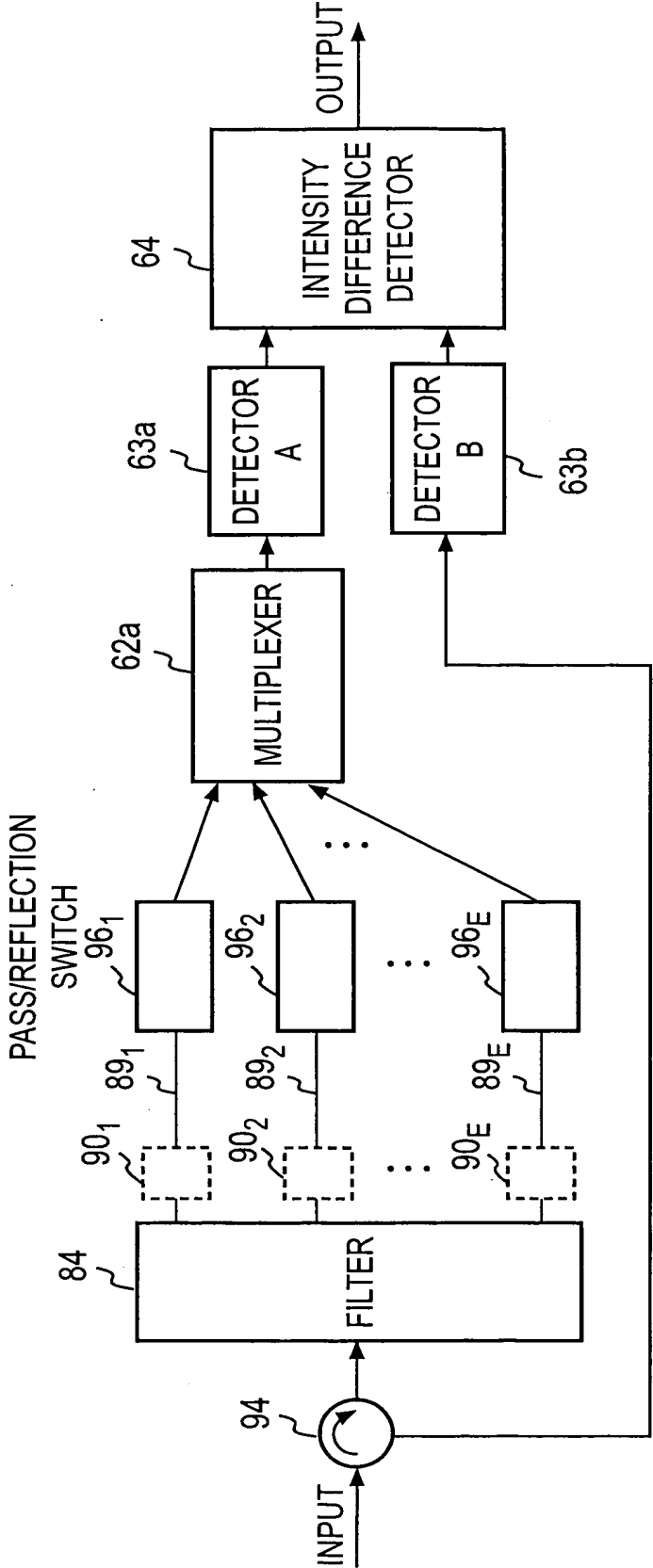


FIG. 25

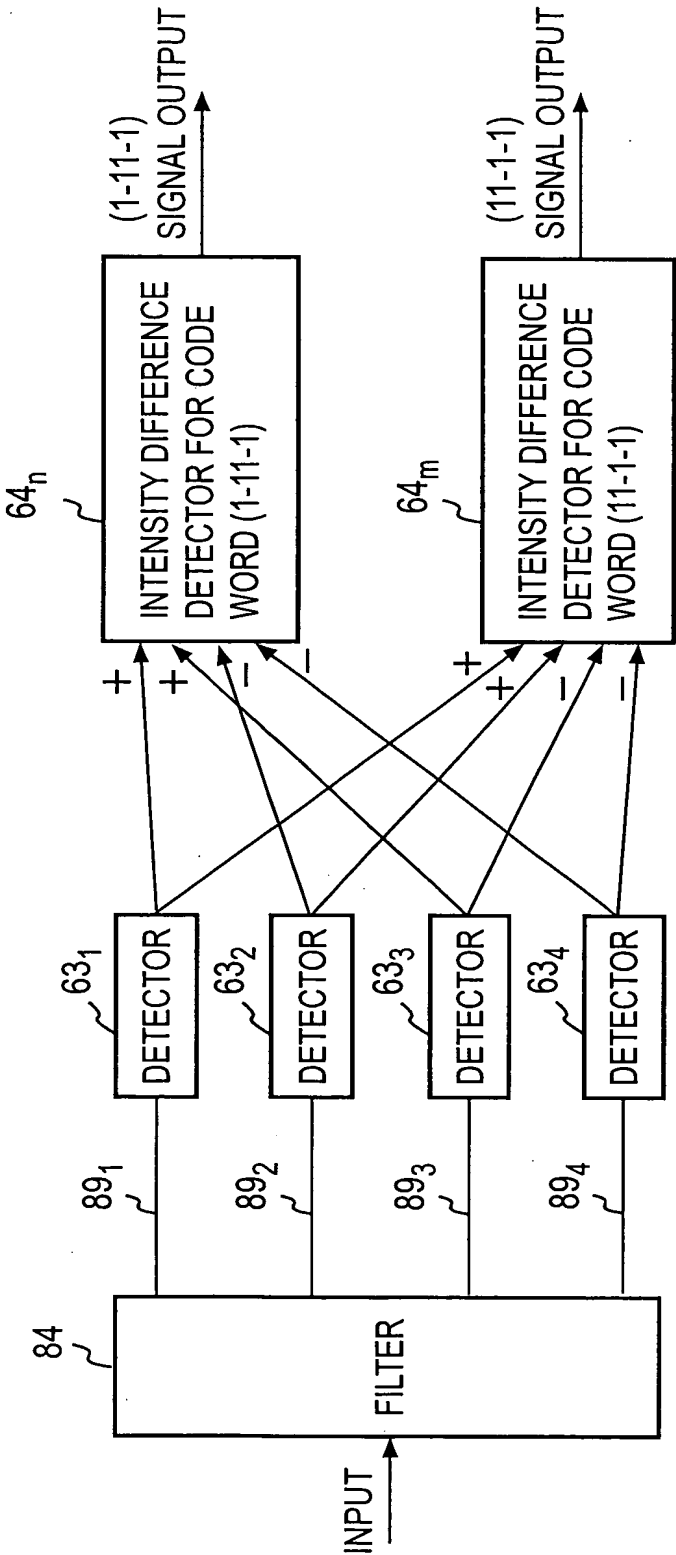


FIG. 26

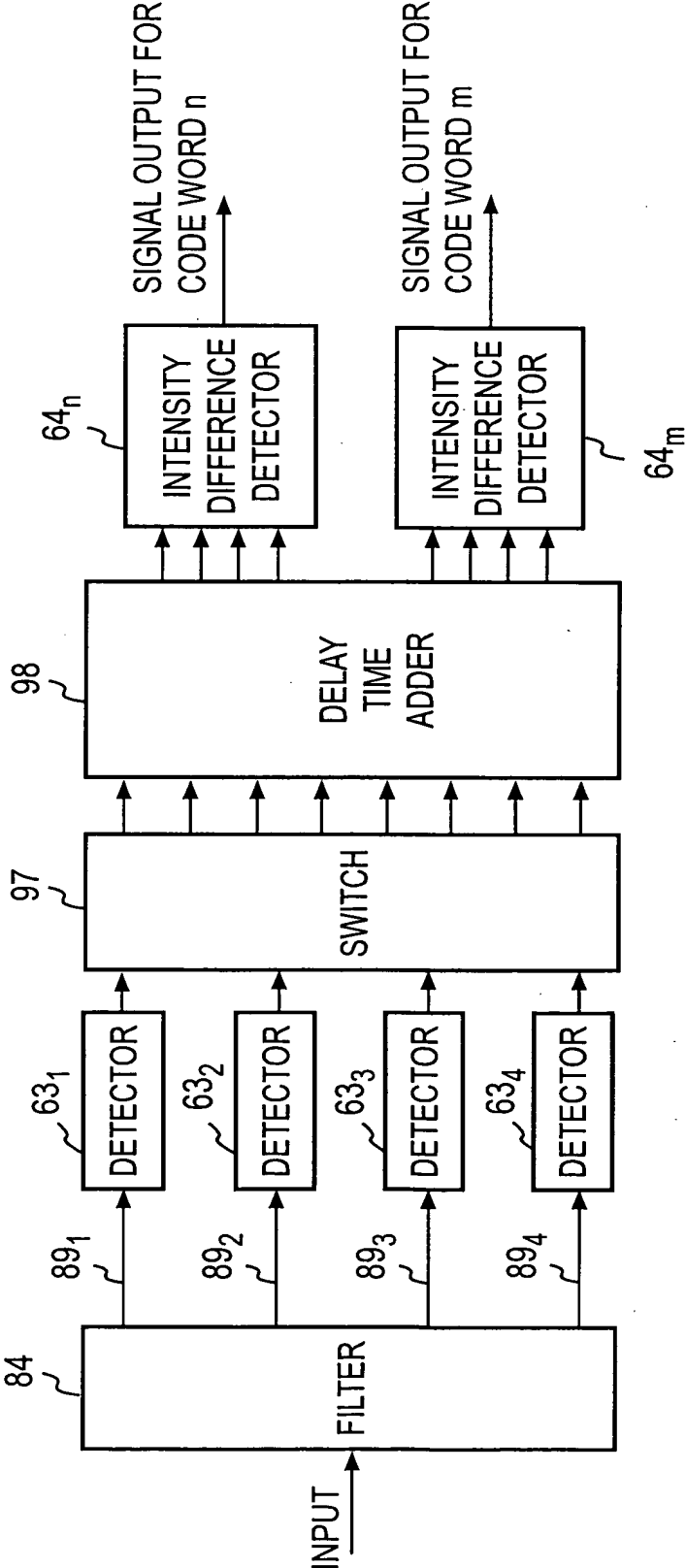


FIG. 27

FIG. 28

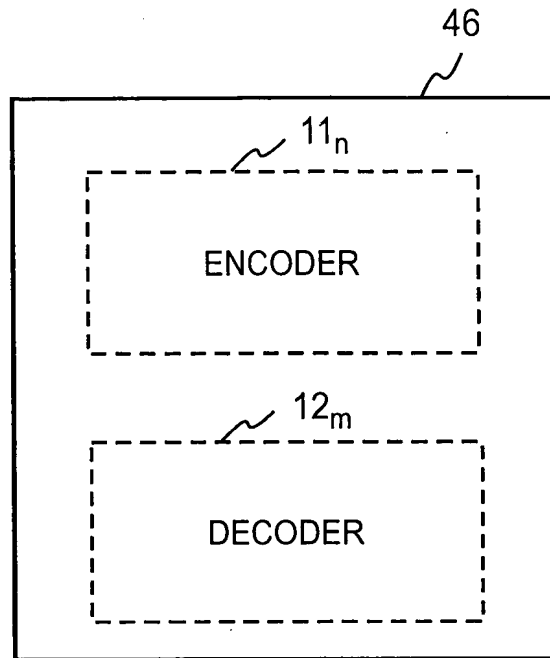


FIG. 29

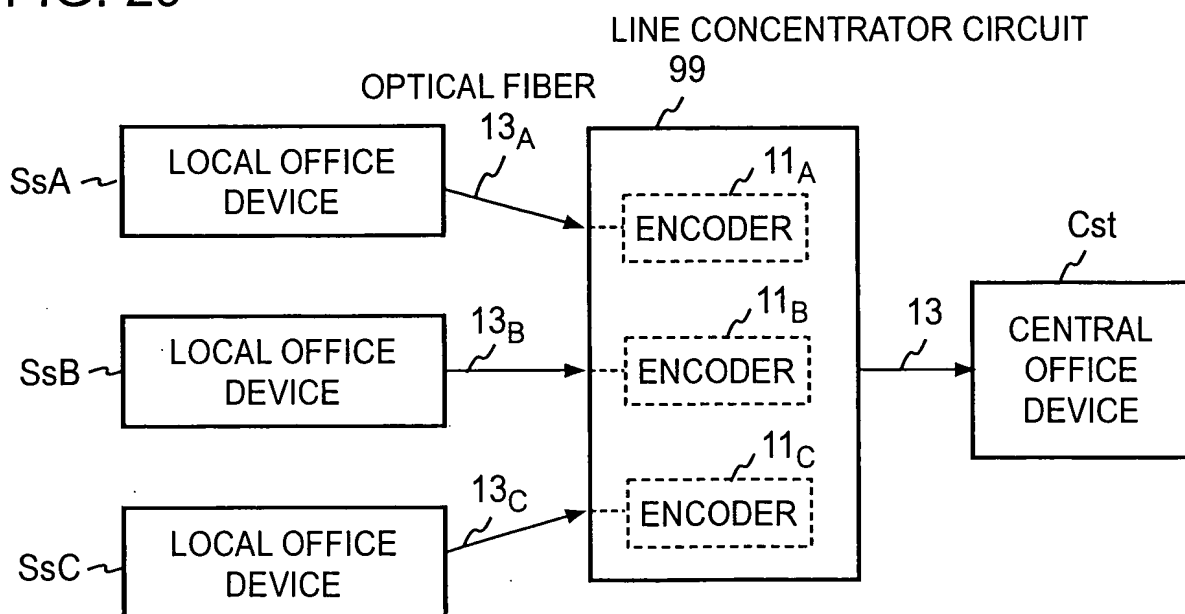


FIG. 30

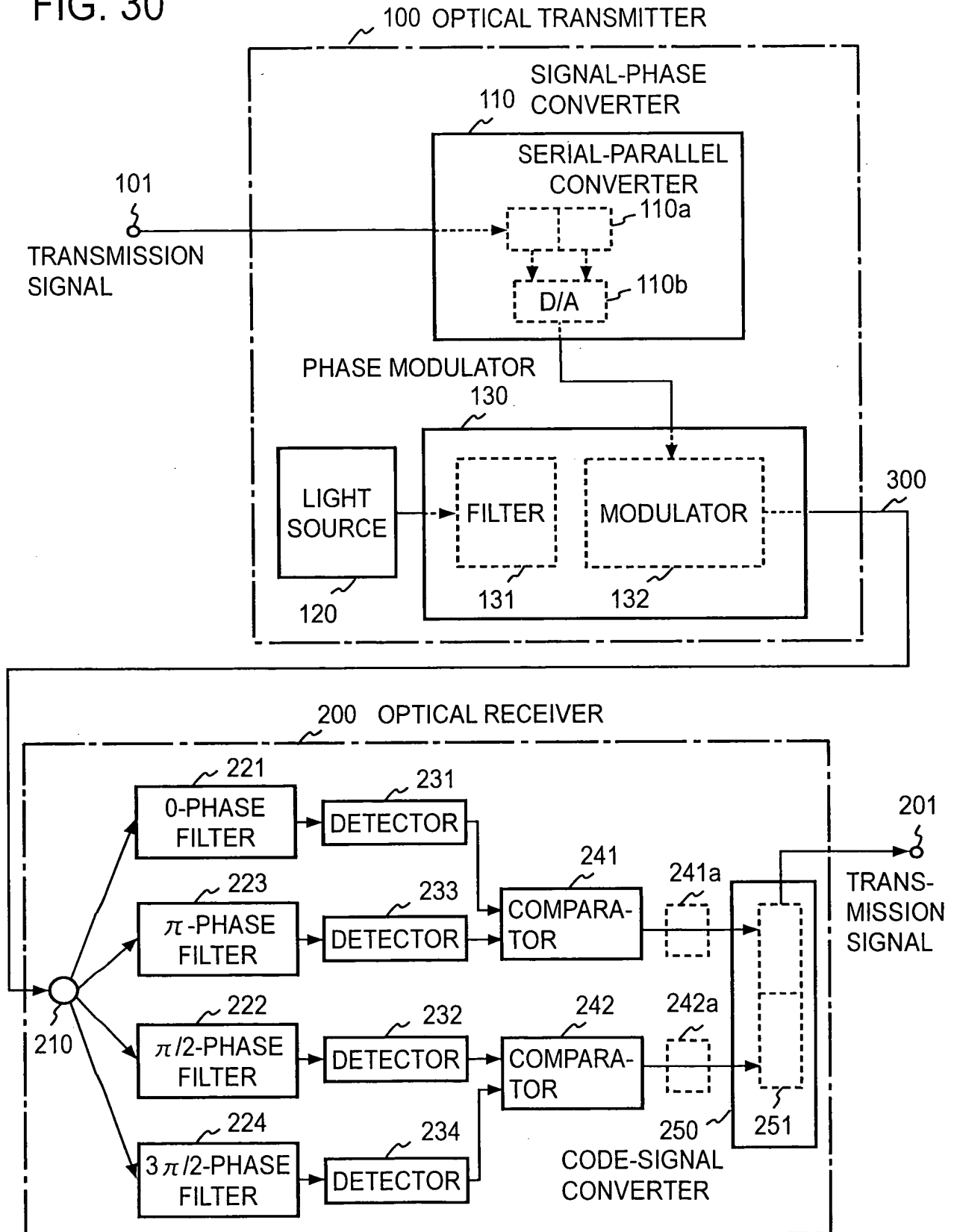


FIG. 31(a) PHASE 0

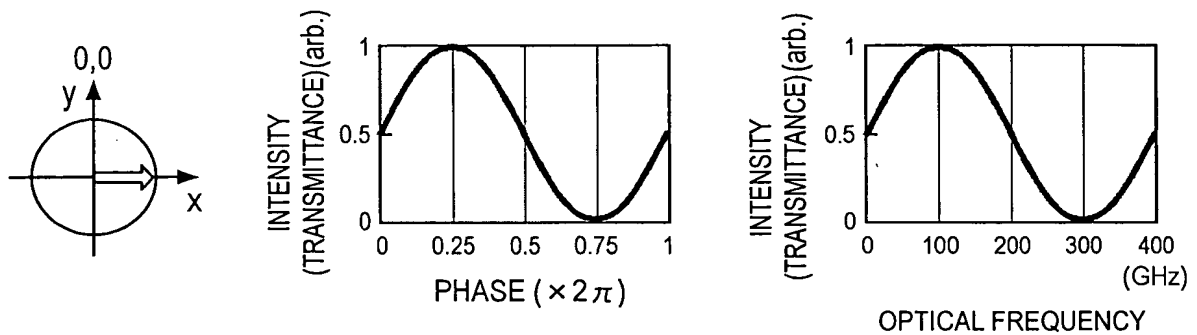


FIG. 31(b) PHASE $\pi/2$

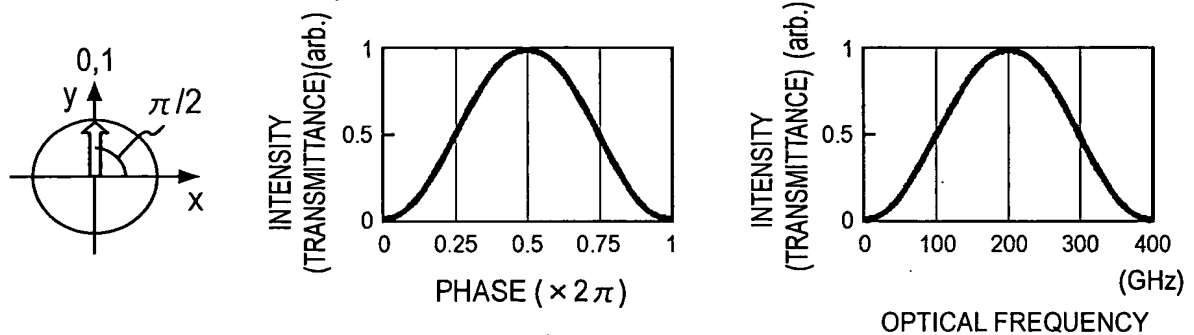


FIG. 31(c) PHASE π

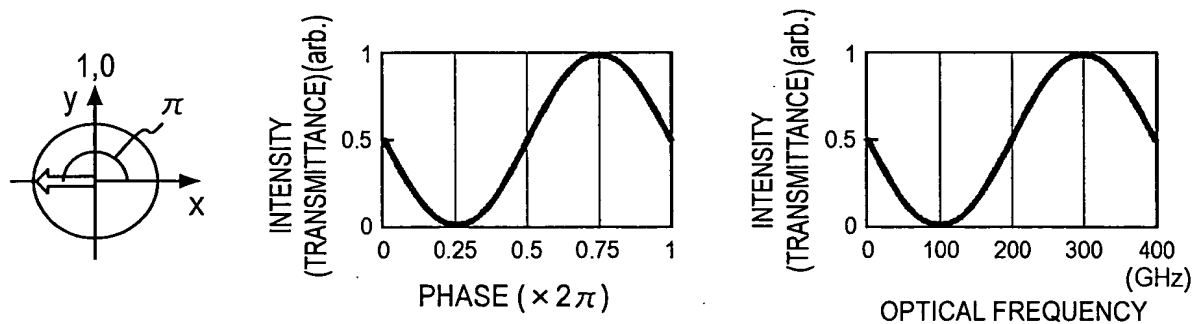
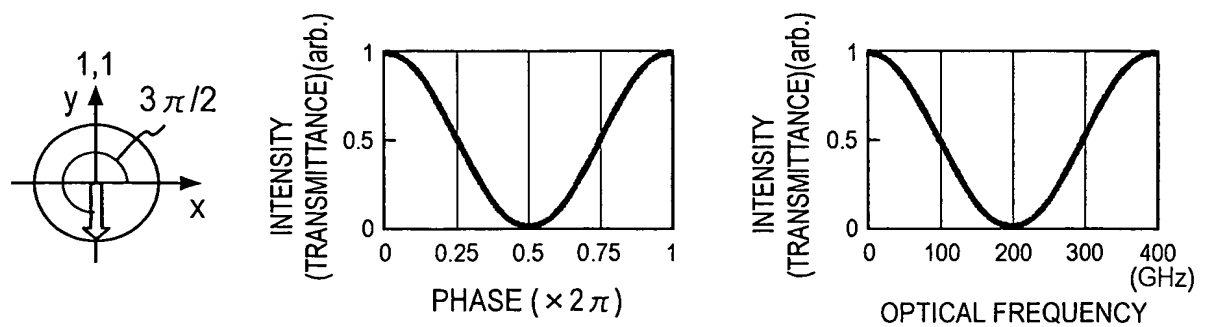


FIG. 31(d) PHASE $3\pi/2$



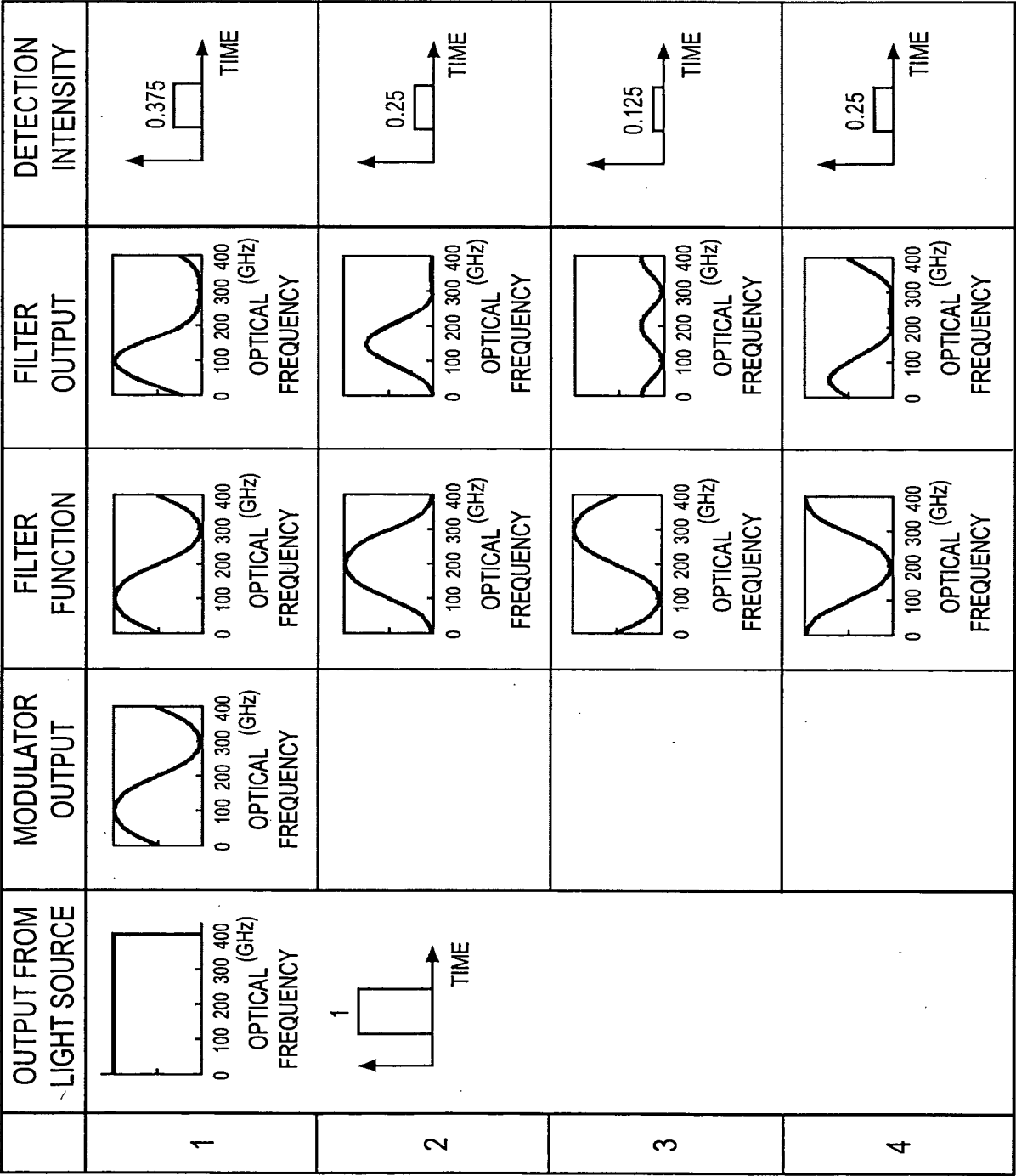


FIG. 32-1

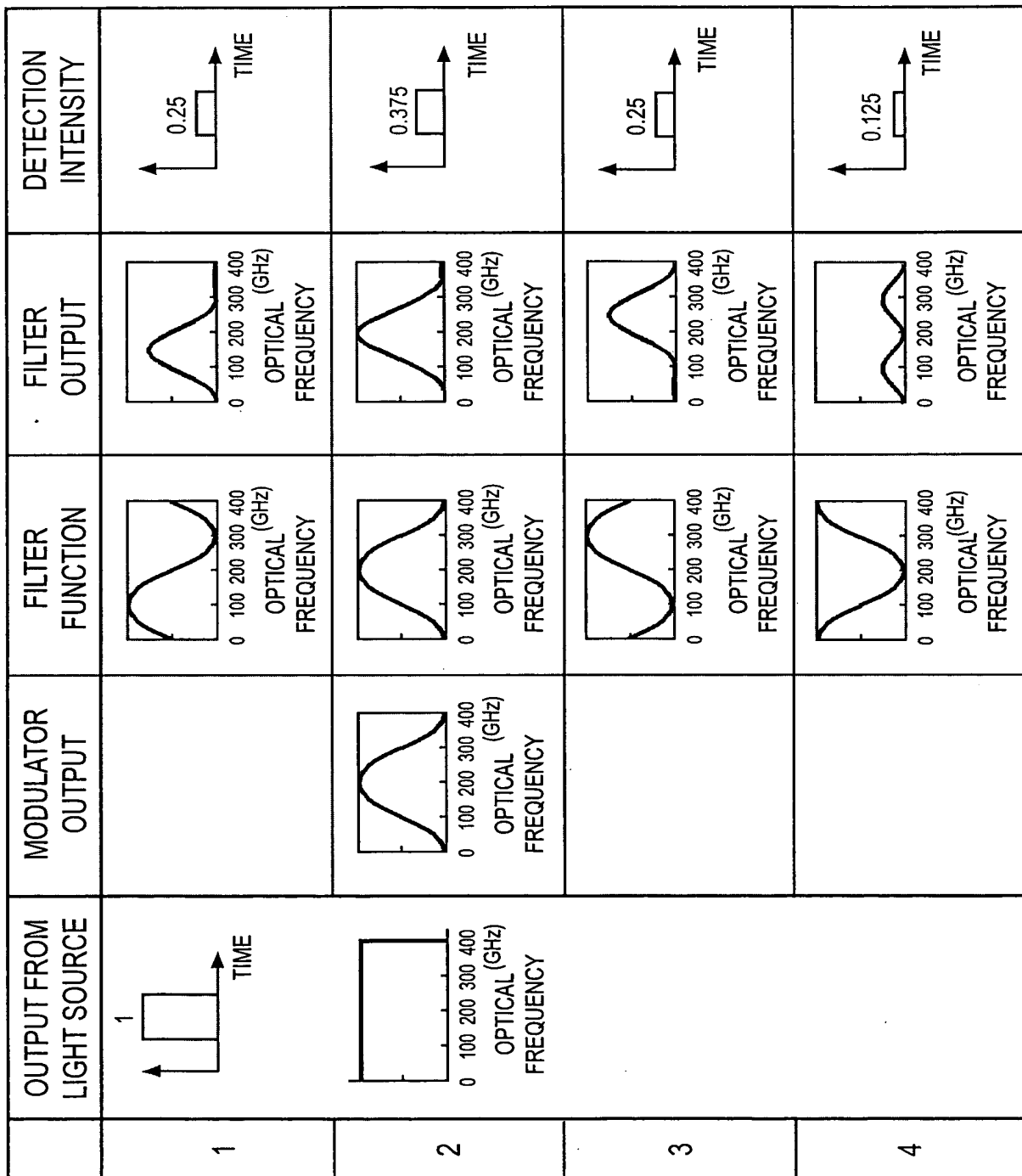


FIG. 32-2

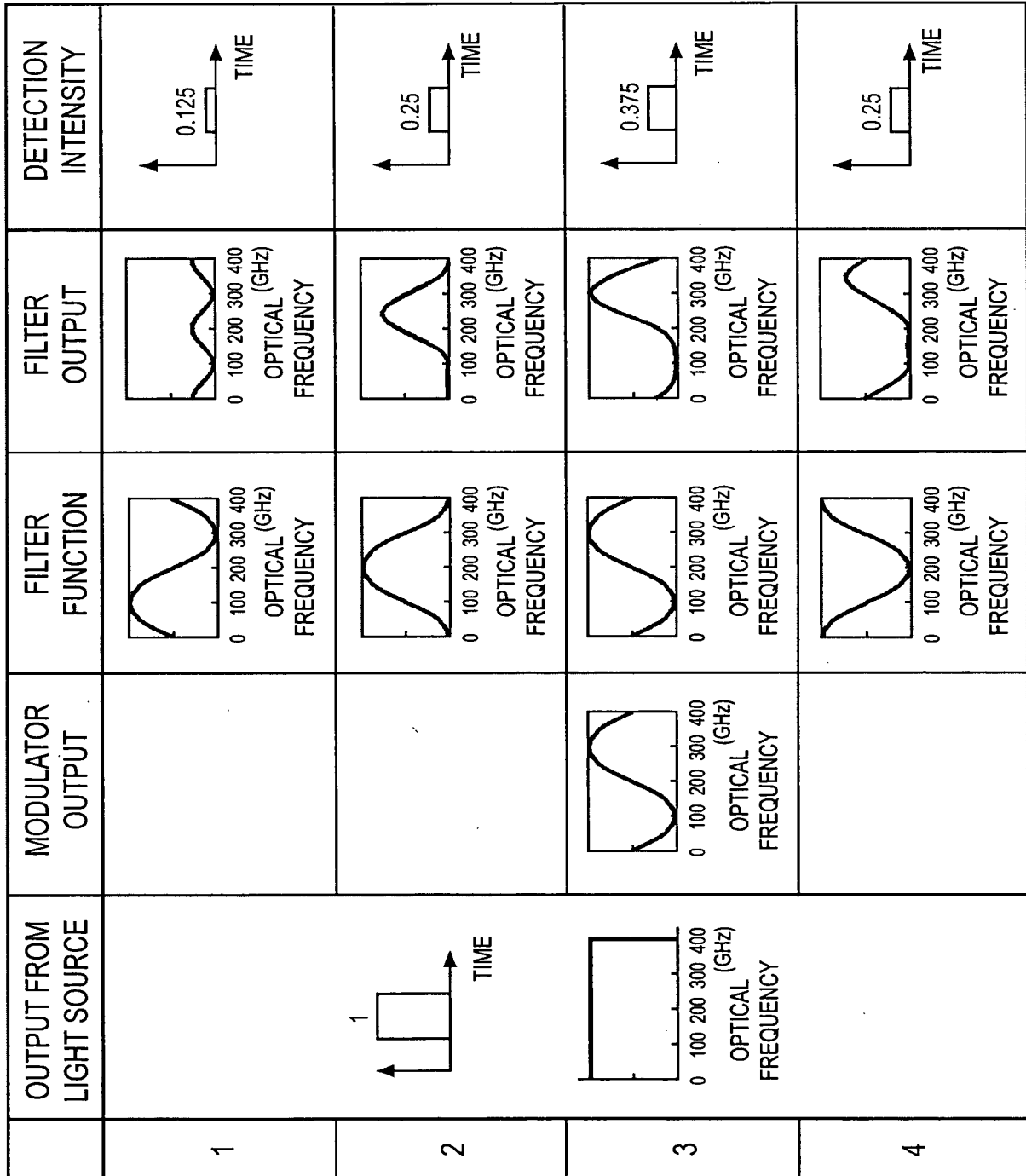


FIG. 32-3

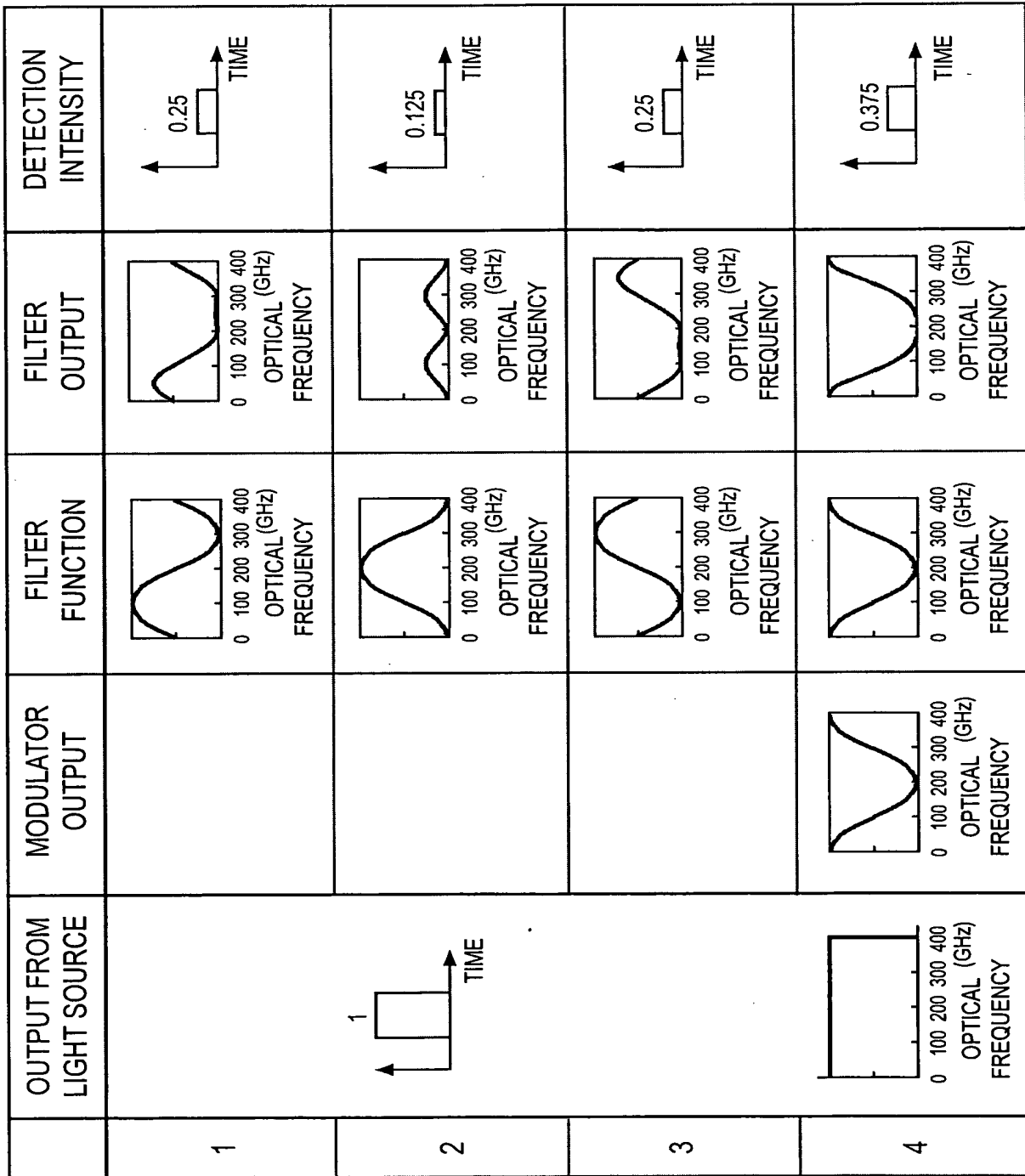
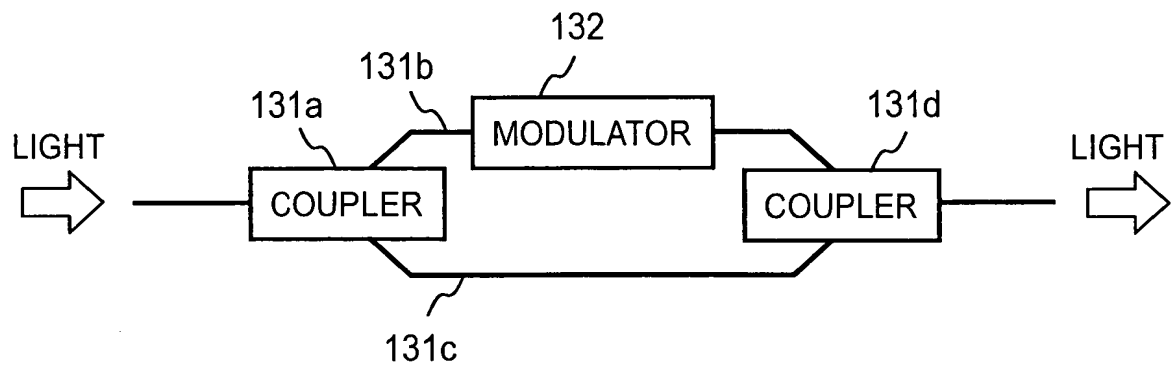


FIG. 32-4

FIG. 33



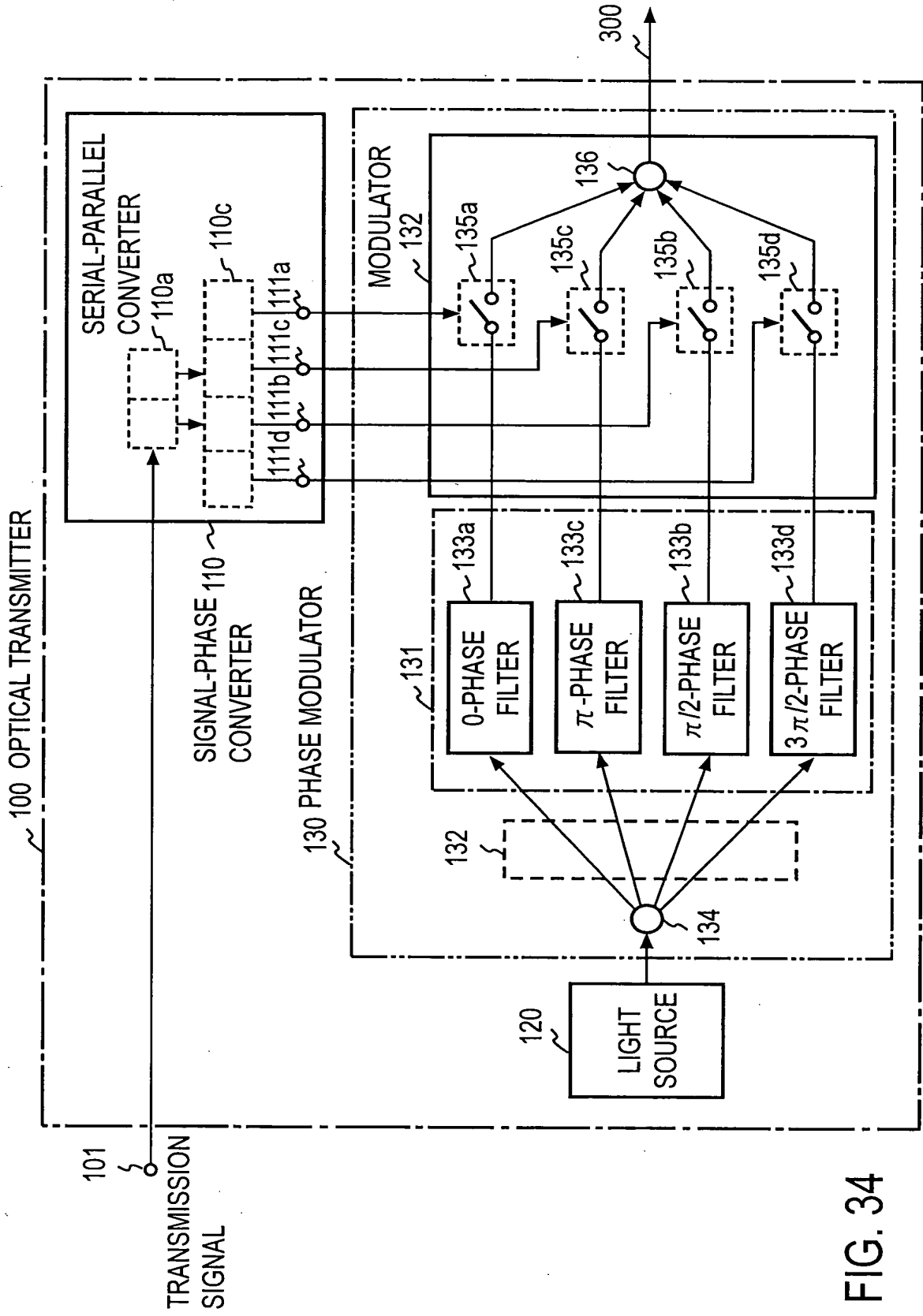


FIG. 35(a)

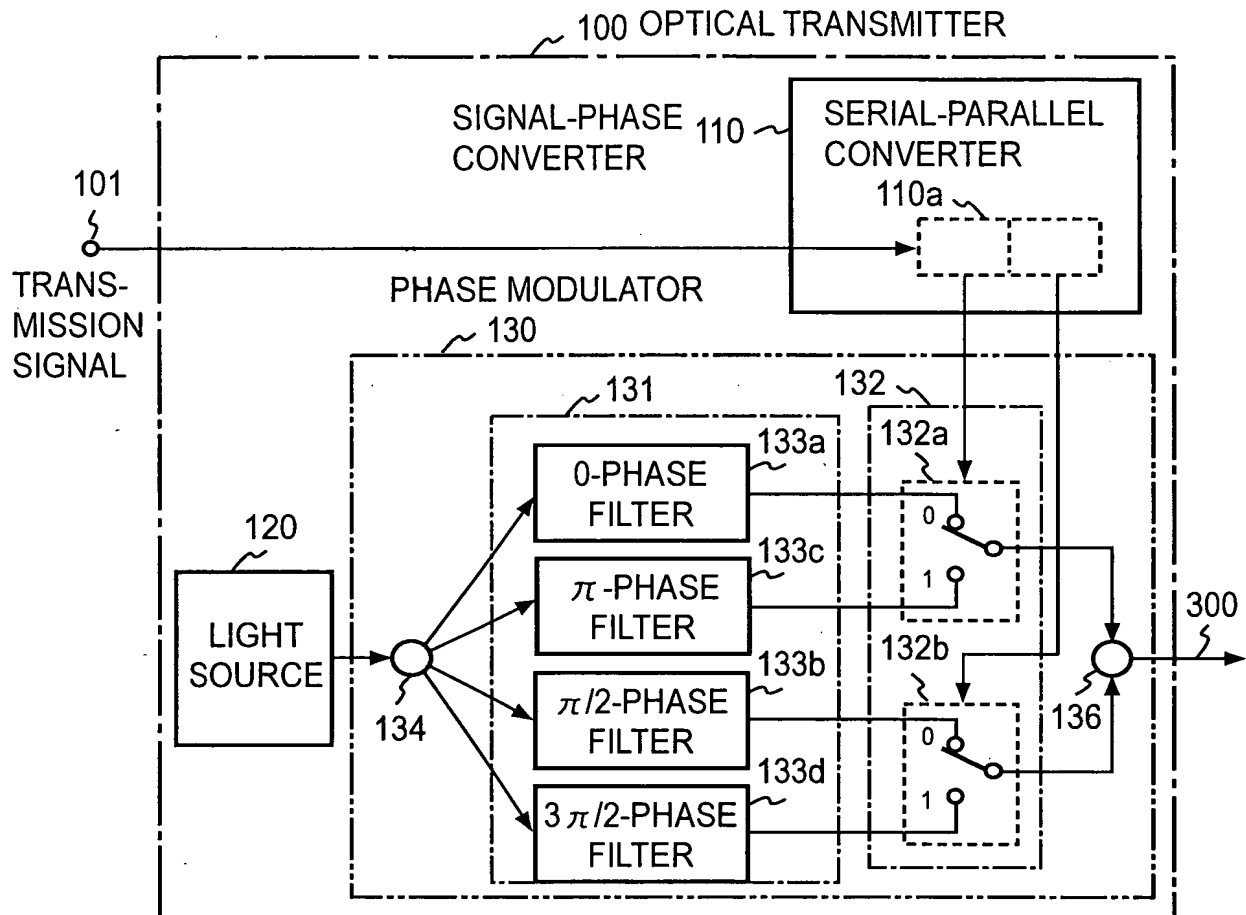


FIG. 35(b)

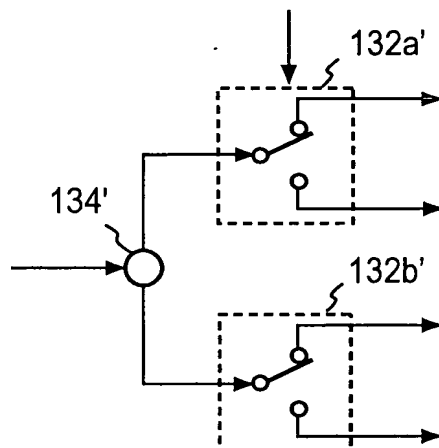


FIG. 36(a)

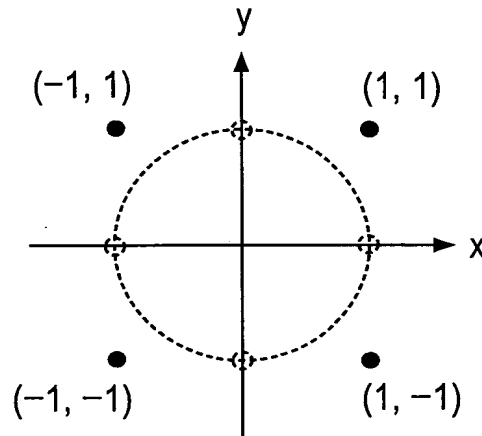


FIG. 36(b)

DATA SET	COORDINATE POINTS	SELECTED FILTER PHASES
0, 0	1, 1	$0, \pi/2$
0, 1	1, -1	$0, 3\pi/2$
1, 0	-1, 1	$\pi, \pi/2$
1, 1	-1, -1	$\pi, 3\pi/2$

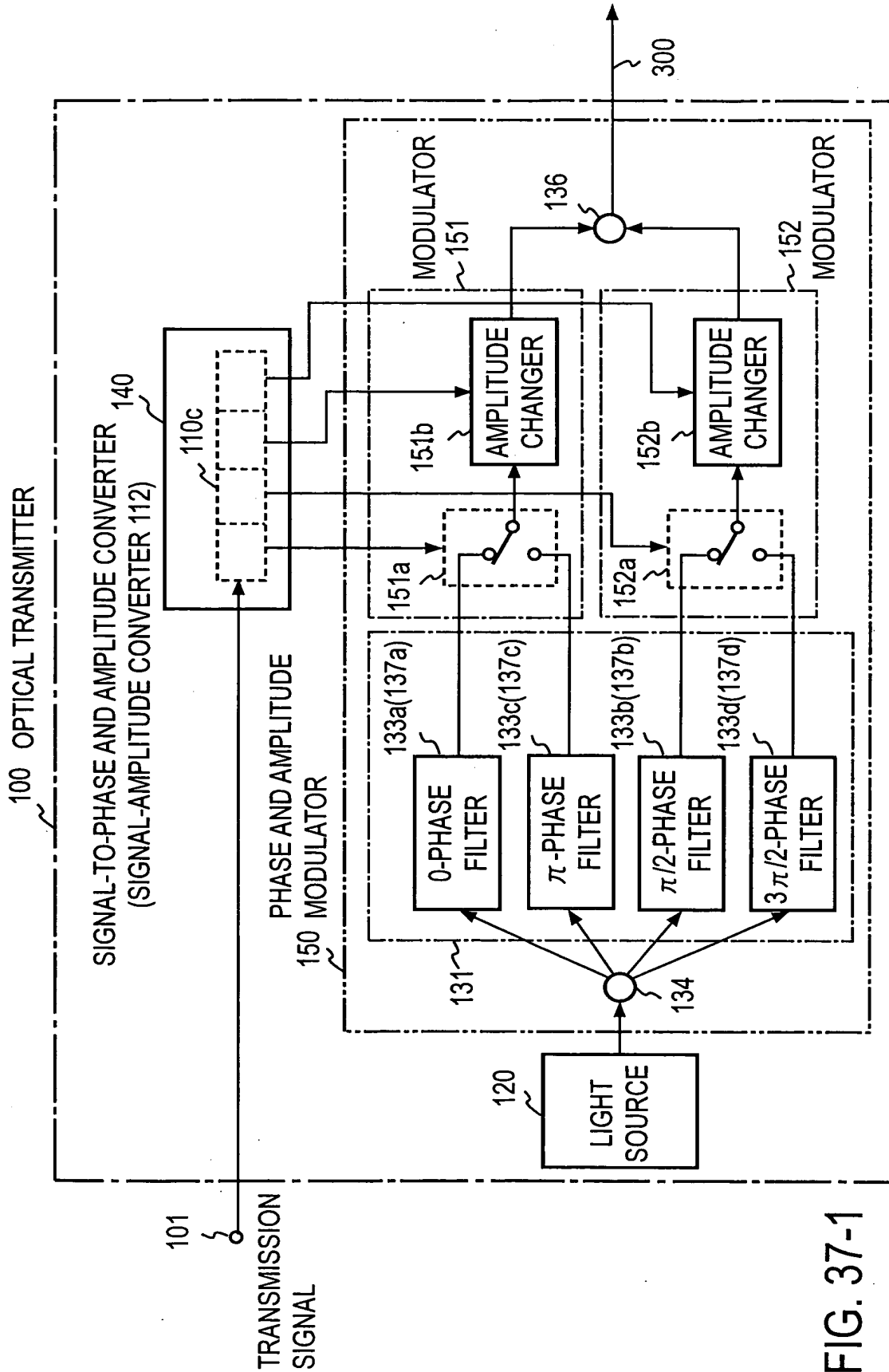


FIG. 37-1

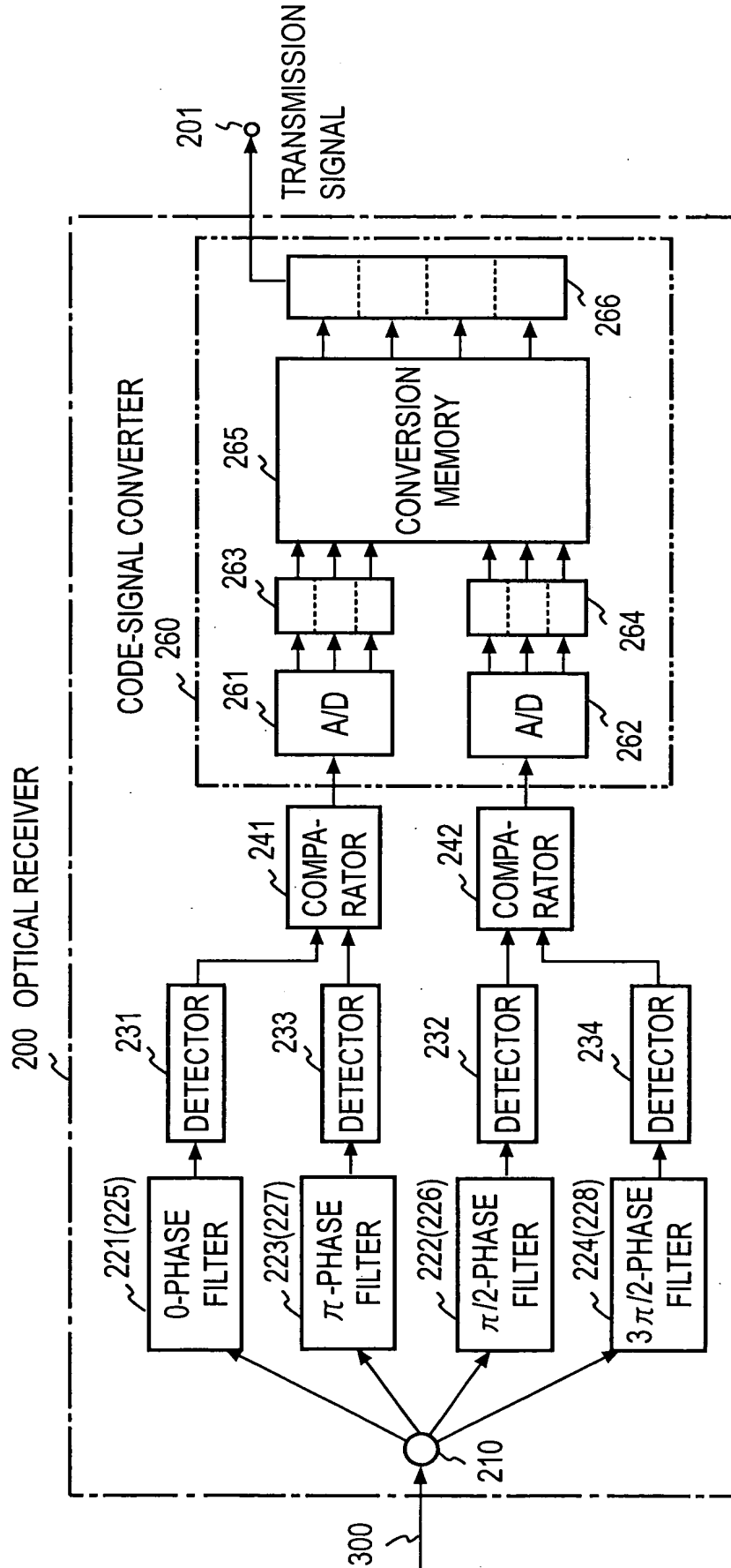


FIG. 37-2

FIG. 38(a)

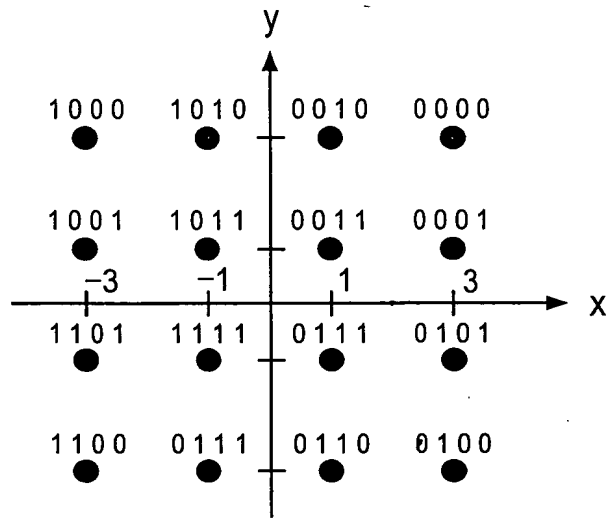


FIG. 38(b)

DATA SET	0	$\pi/2$	π	$3\pi/2$	COMPARATOR	
					241	242
0 0 0 0	3	3	0	0	3	3
0 0 0 1	3	1	0	0	3	1
0 0 1 0	1	3	0	0	1	3
0 0 1 1	1	1	0	0	1	1
0 1 0 0	3	0	0	3	3	-3
0 1 0 1	3	0	0	1	3	-1
0 1 1 0	1	0	0	3	1	-3
0 1 1 1	1	0	0	1	1	-1
1 0 0 0	0	3	3	0	3	3
1 0 0 1	0	1	3	0	3	3
1 0 1 0	0	3	1	0	1	1
1 0 1 1	0	1	1	0	1	1
1 1 0 0	0	0	3	3	-3	-3
1 1 0 1	0	0	3	1	-3	-1
1 1 1 0	0	0	1	3	-1	-3
1 1 1 1	0	0	1	1	-1	-1

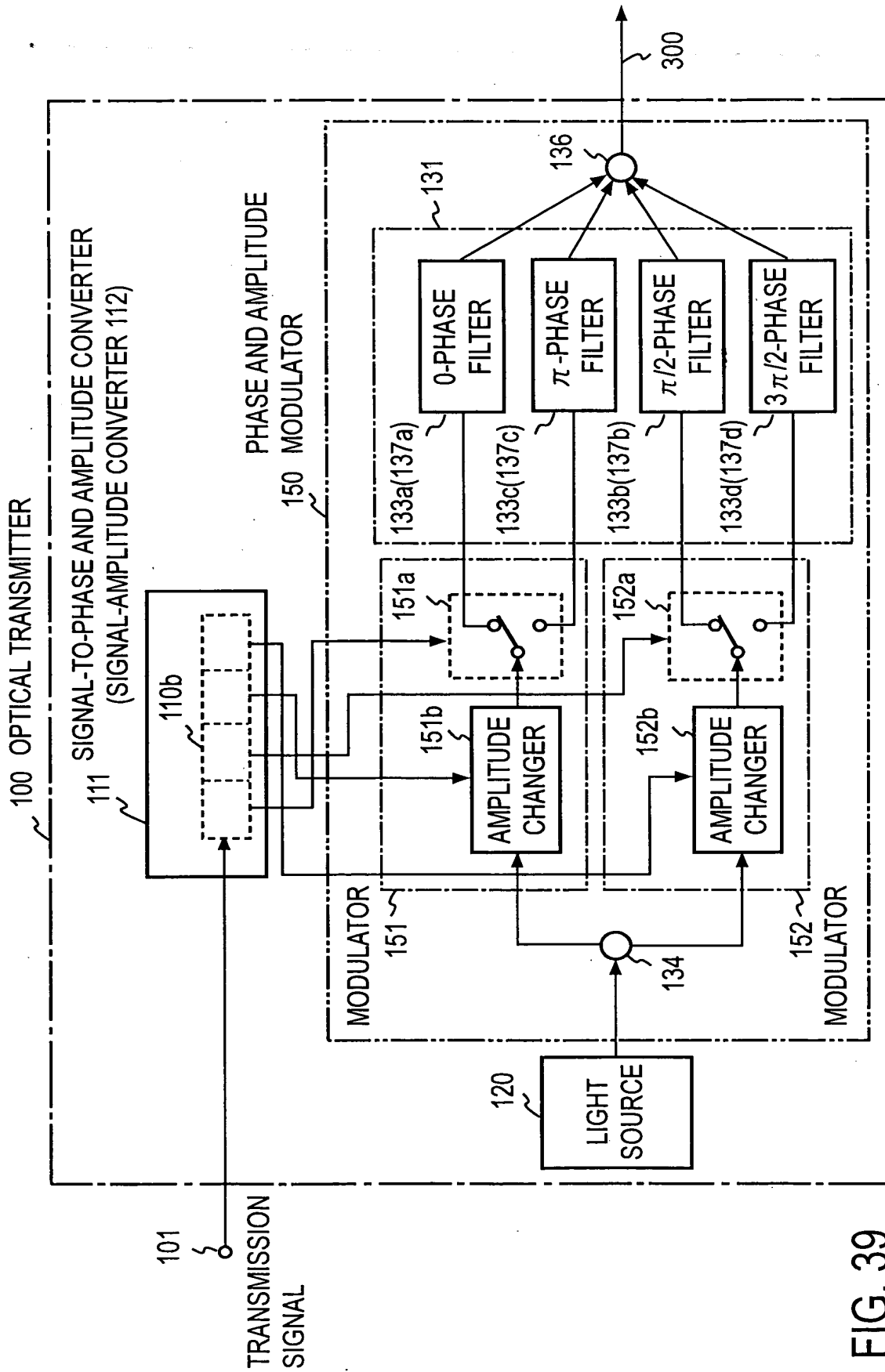


FIG. 39

FIG. 40

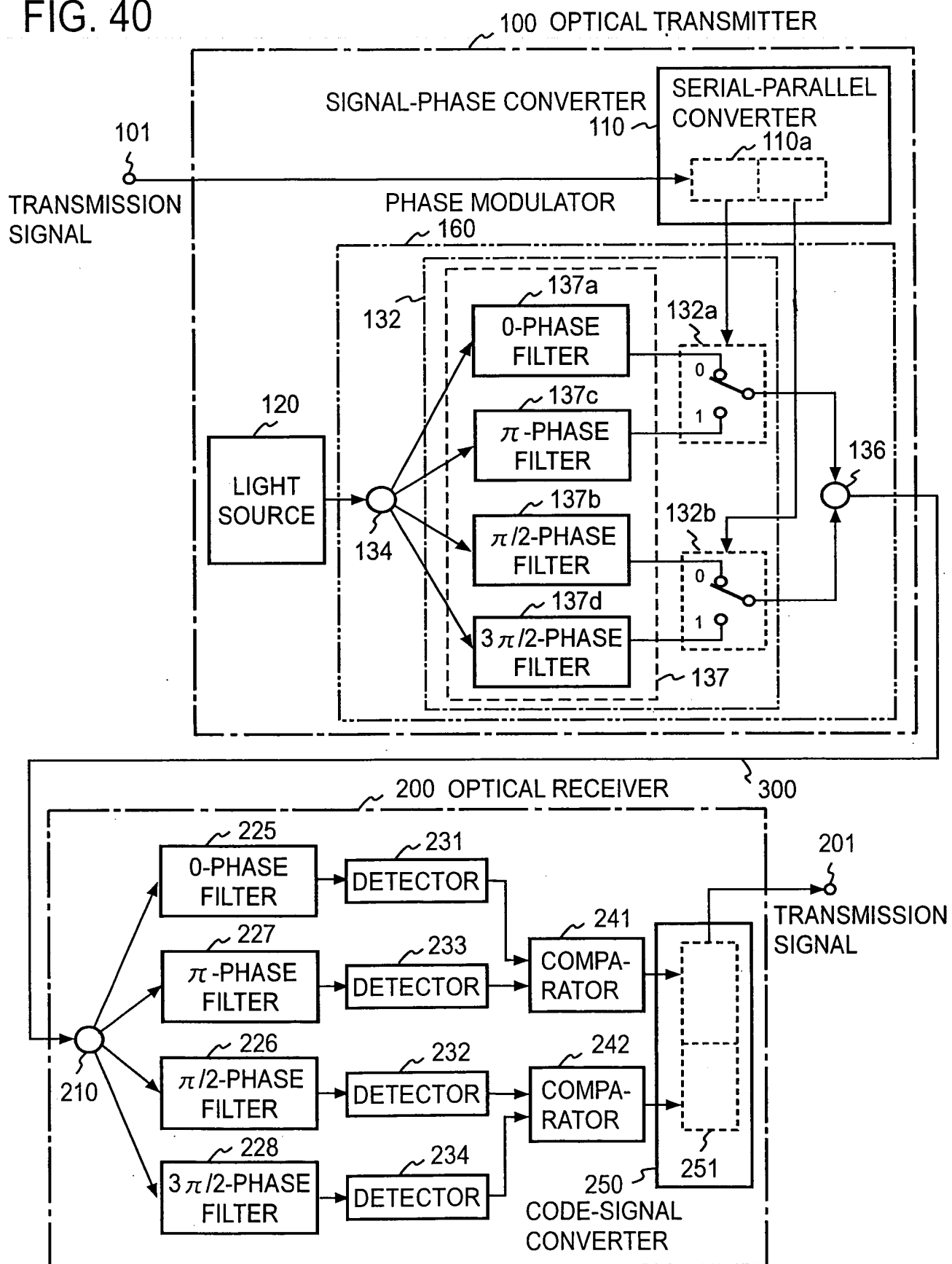


FIG. 41(a)

PHASE 0 (L=4, S=1)

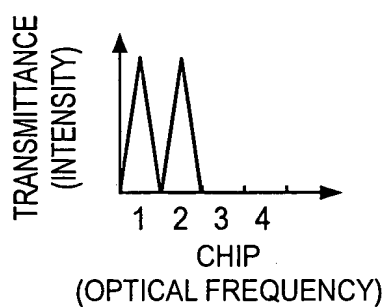


FIG. 41(b)

PHASE $\pi/2$ (L=4, S=1)

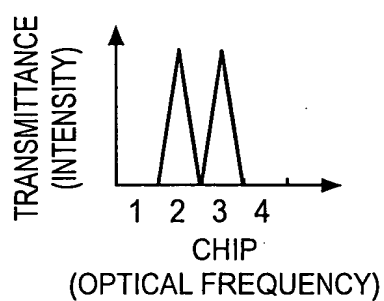


FIG. 41(c)

PHASE π (L=4, S=1)

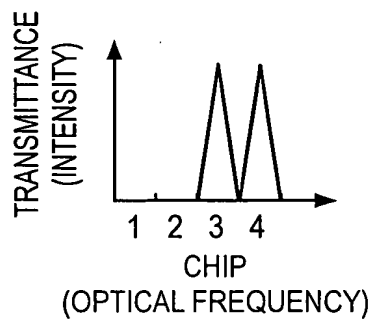
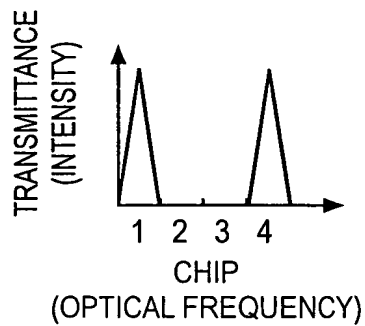


FIG. 41(d)

PHASE $3\pi/2$ (L=4, S=1)



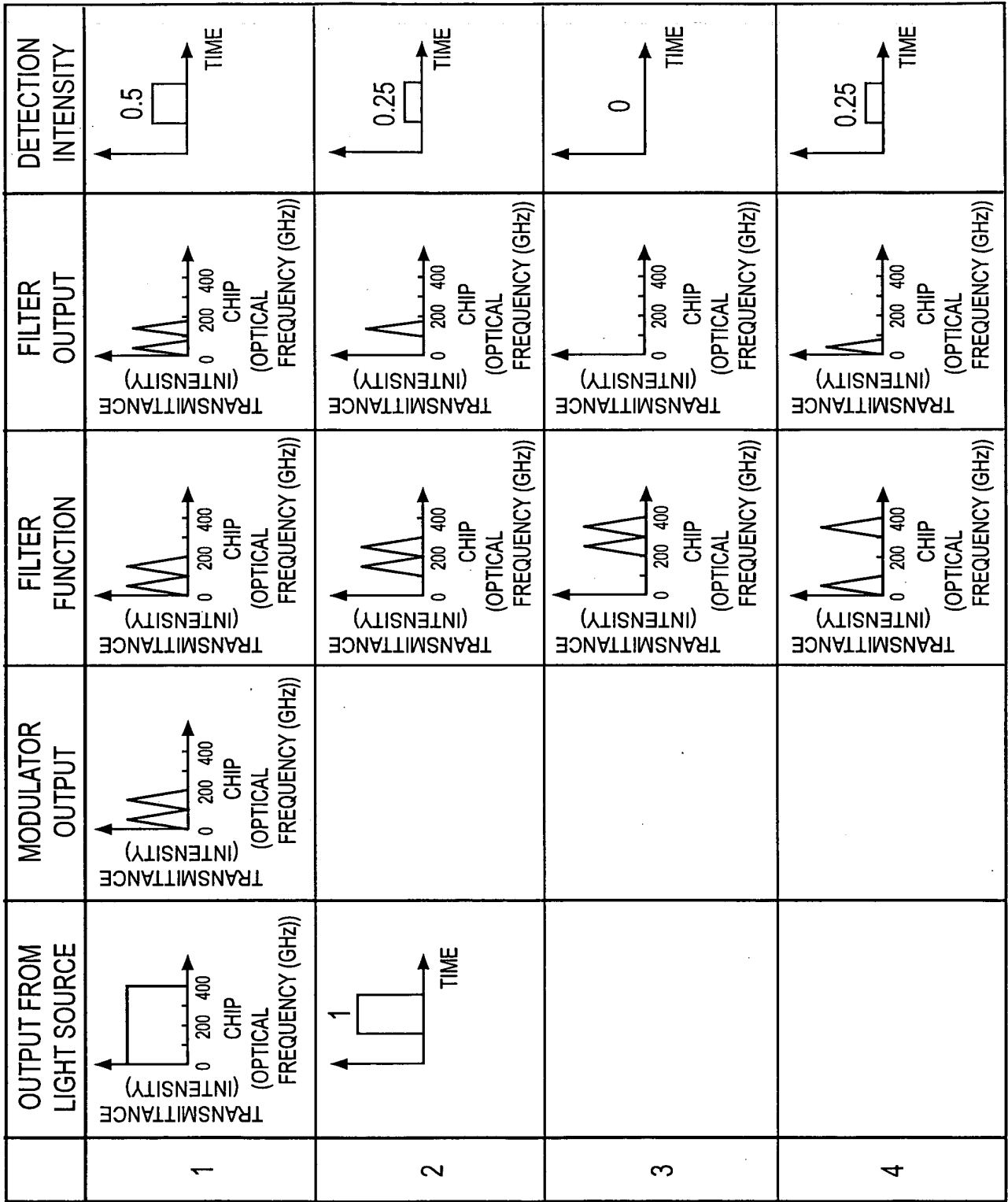


FIG. 42-1

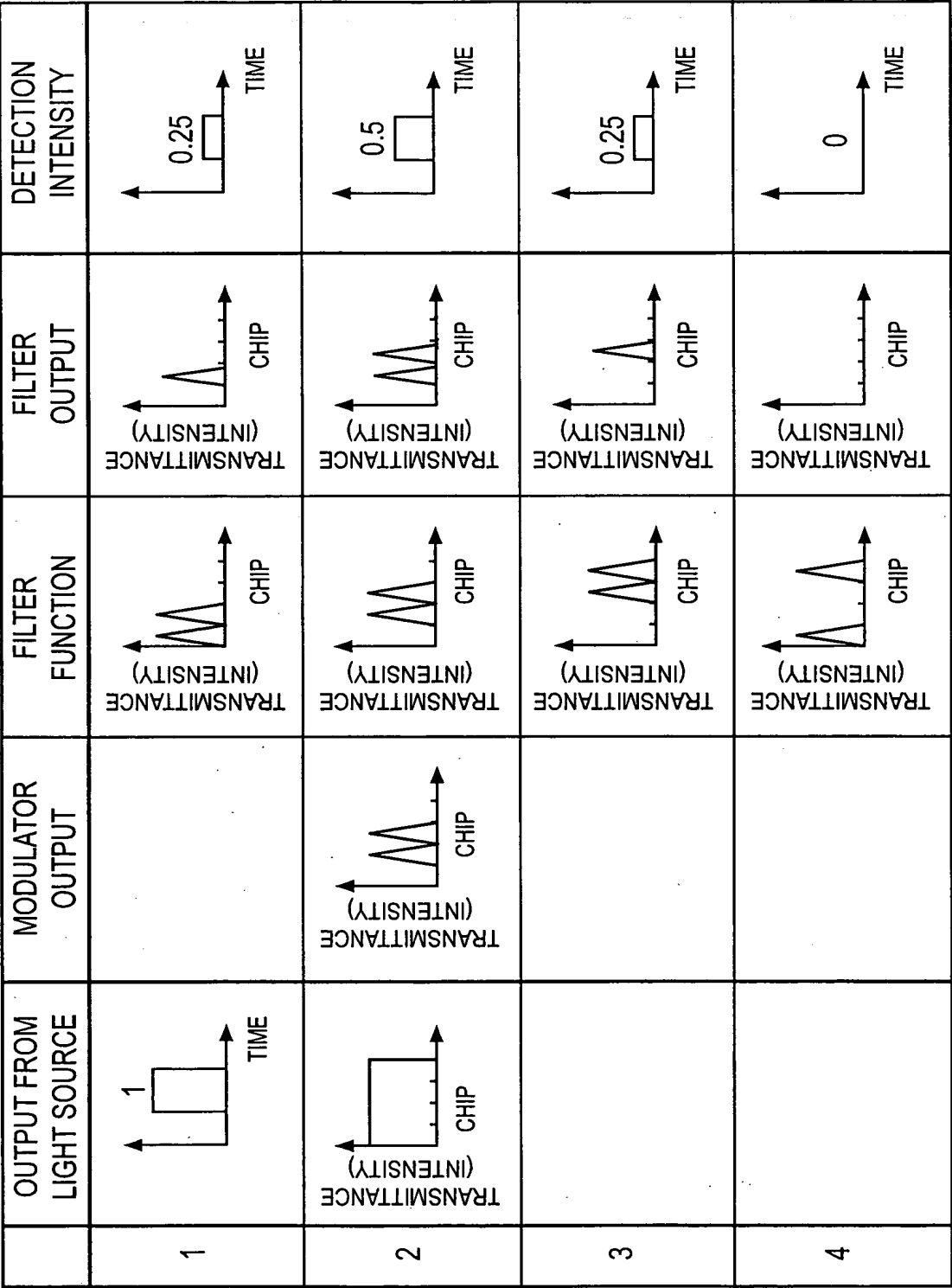


FIG. 42-2

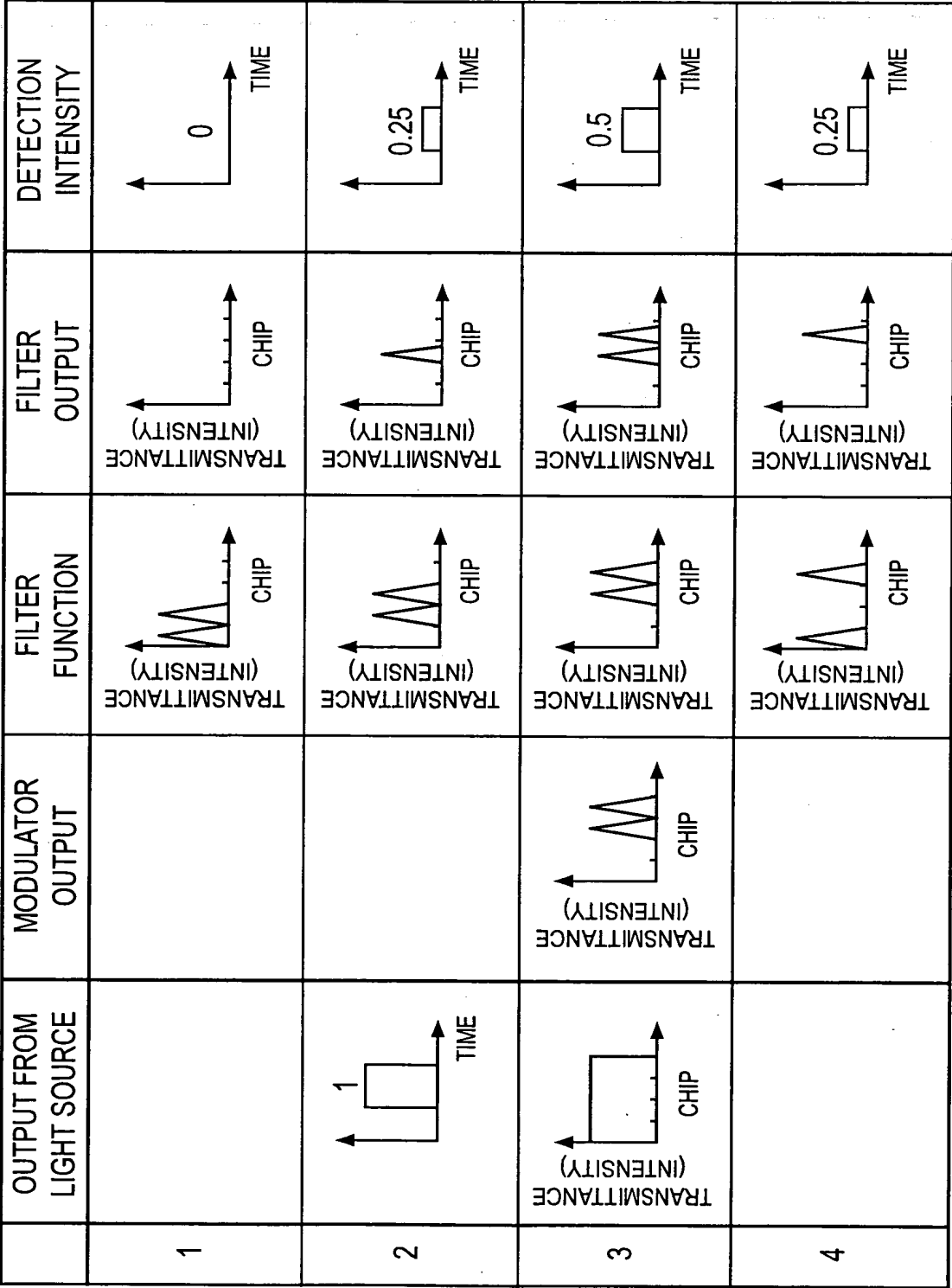


FIG. 42-3

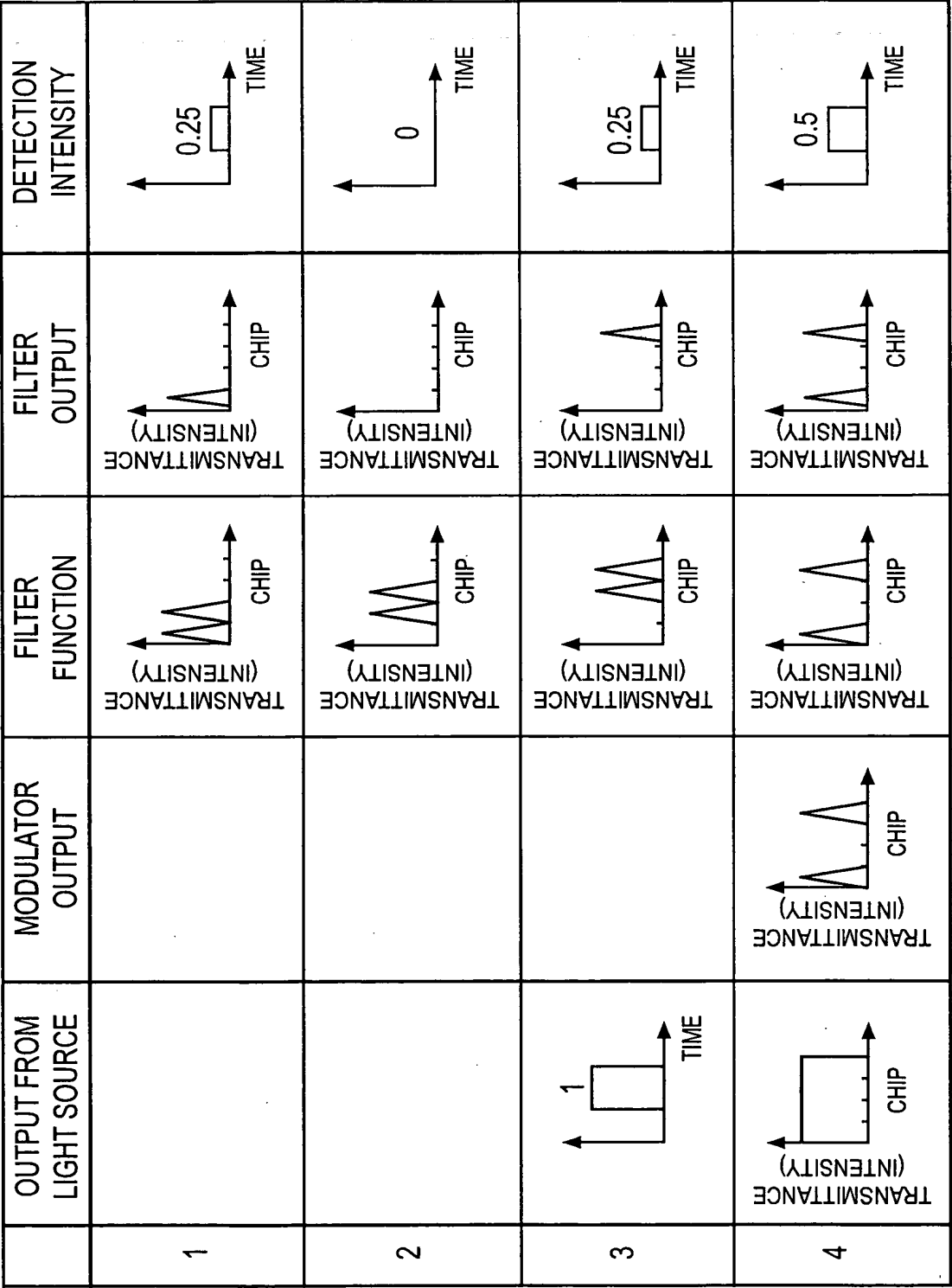


FIG. 42-4

FIG. 43(a)

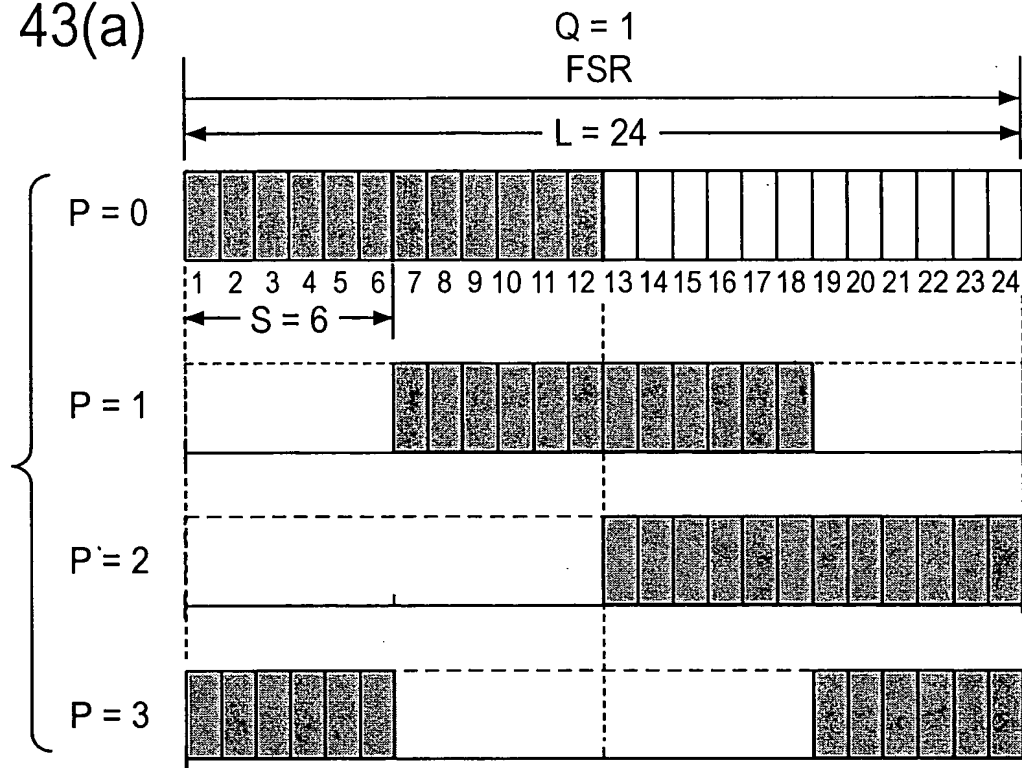
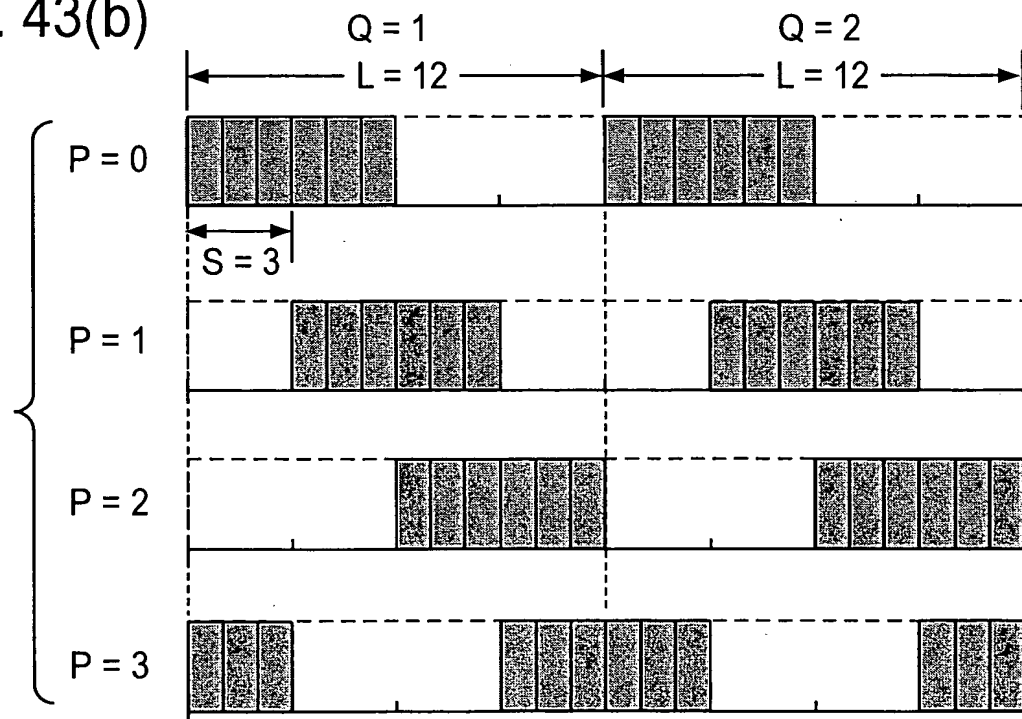
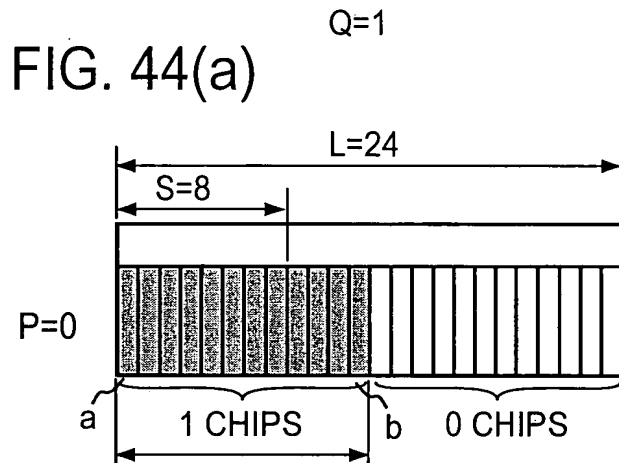


FIG. 43(b)



$n=1, M=2, S=8, L=24$



$n=2, M=3, S=4, L=12$

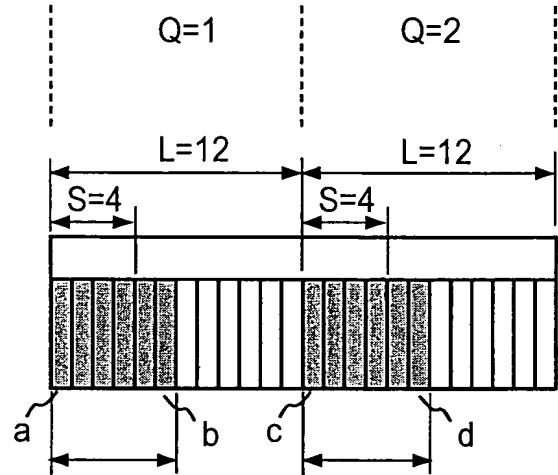


FIG. 44(b)

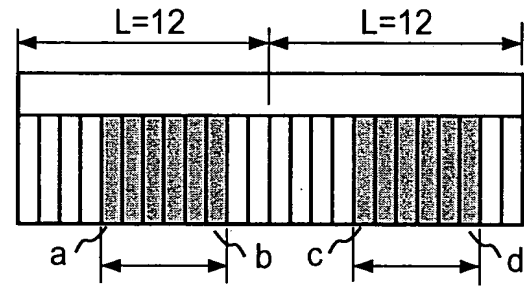
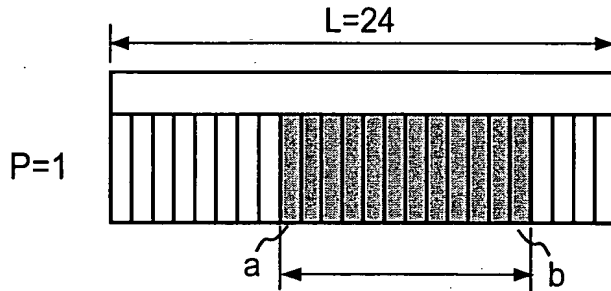
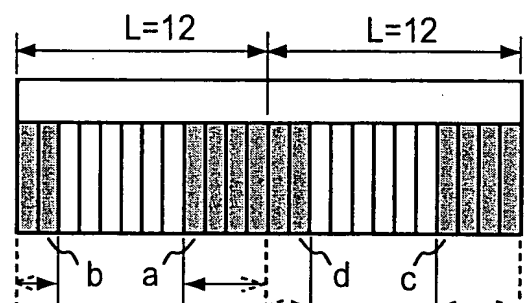
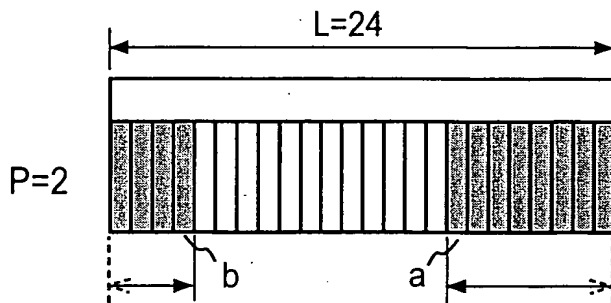


FIG. 44(c)



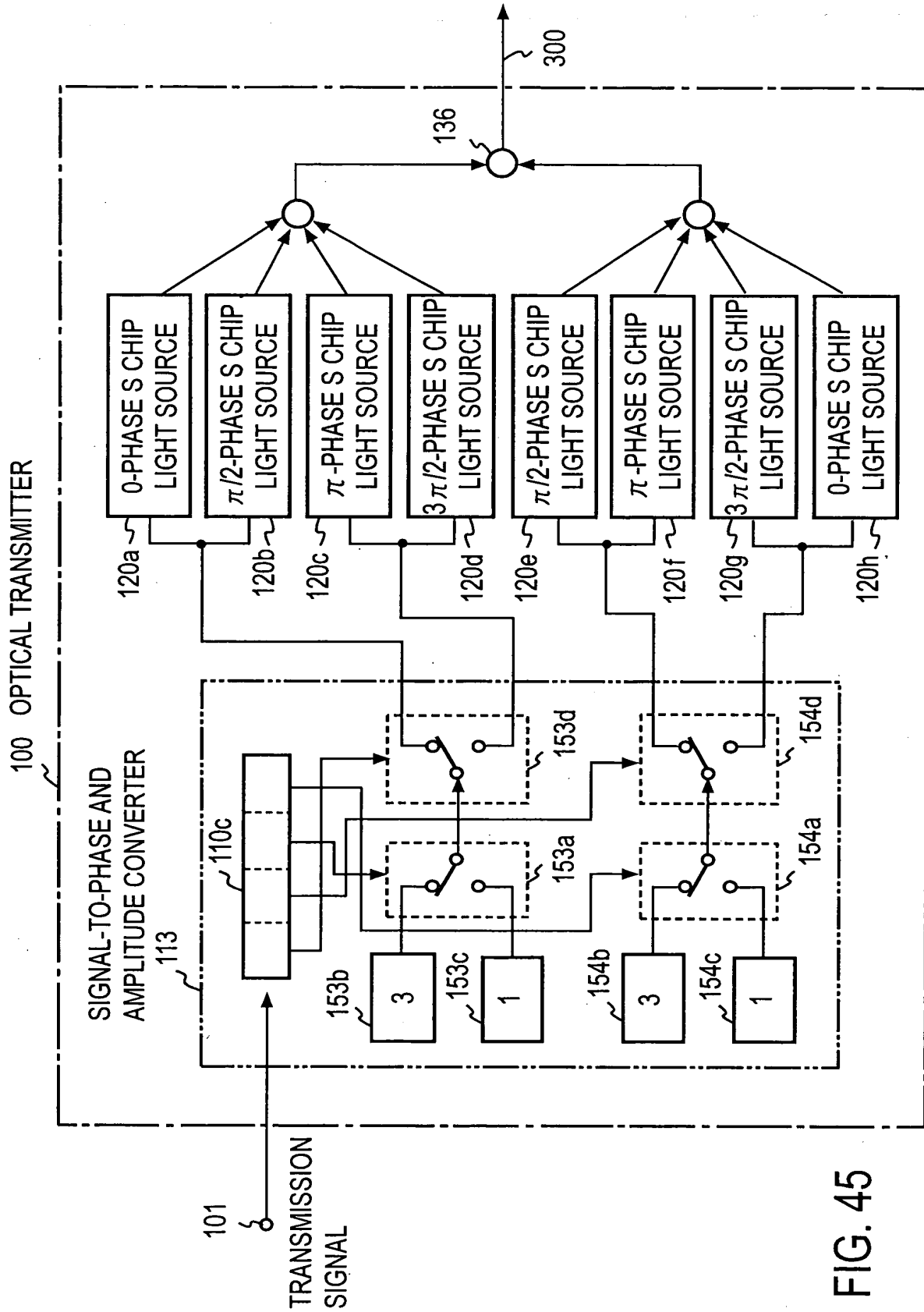


FIG. 45

FIG. 46

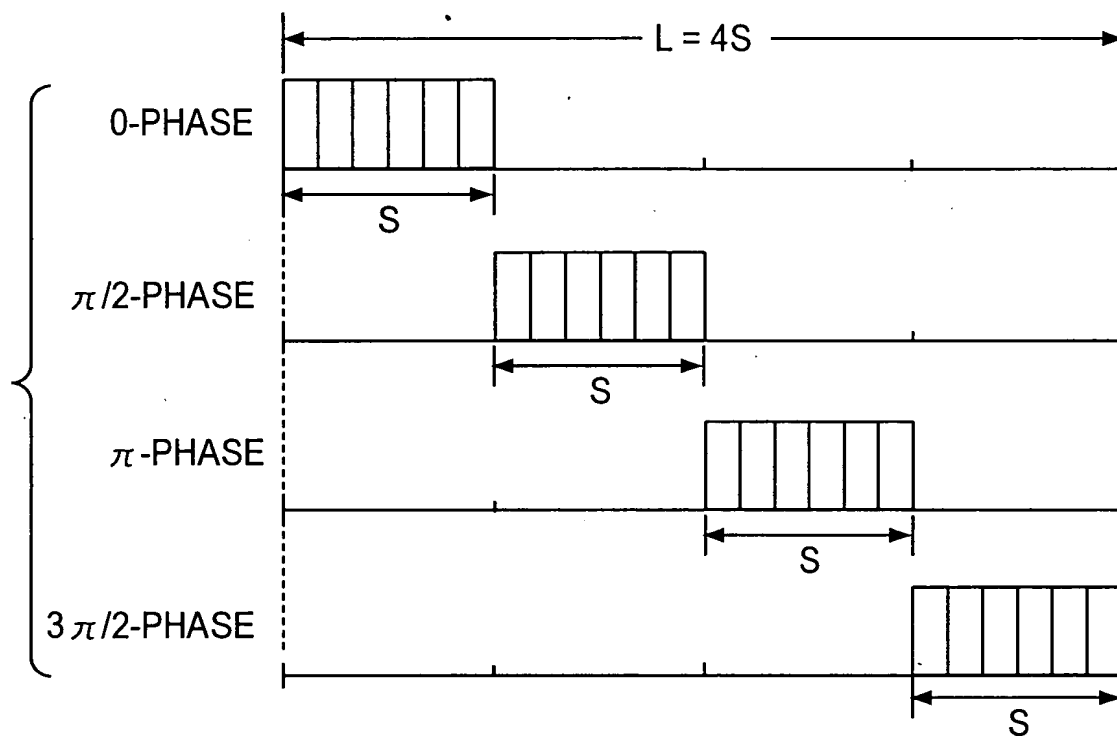
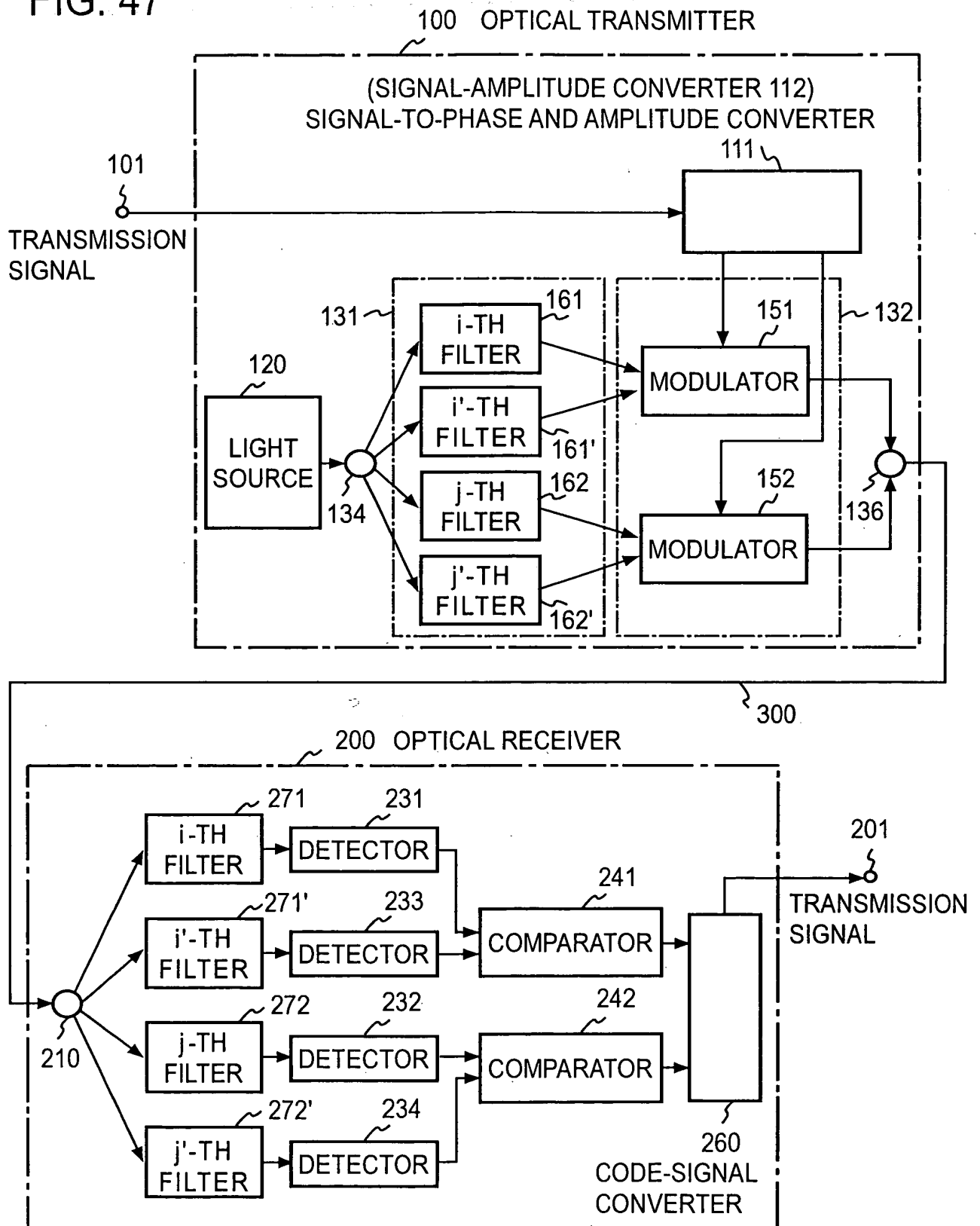


FIG. 47



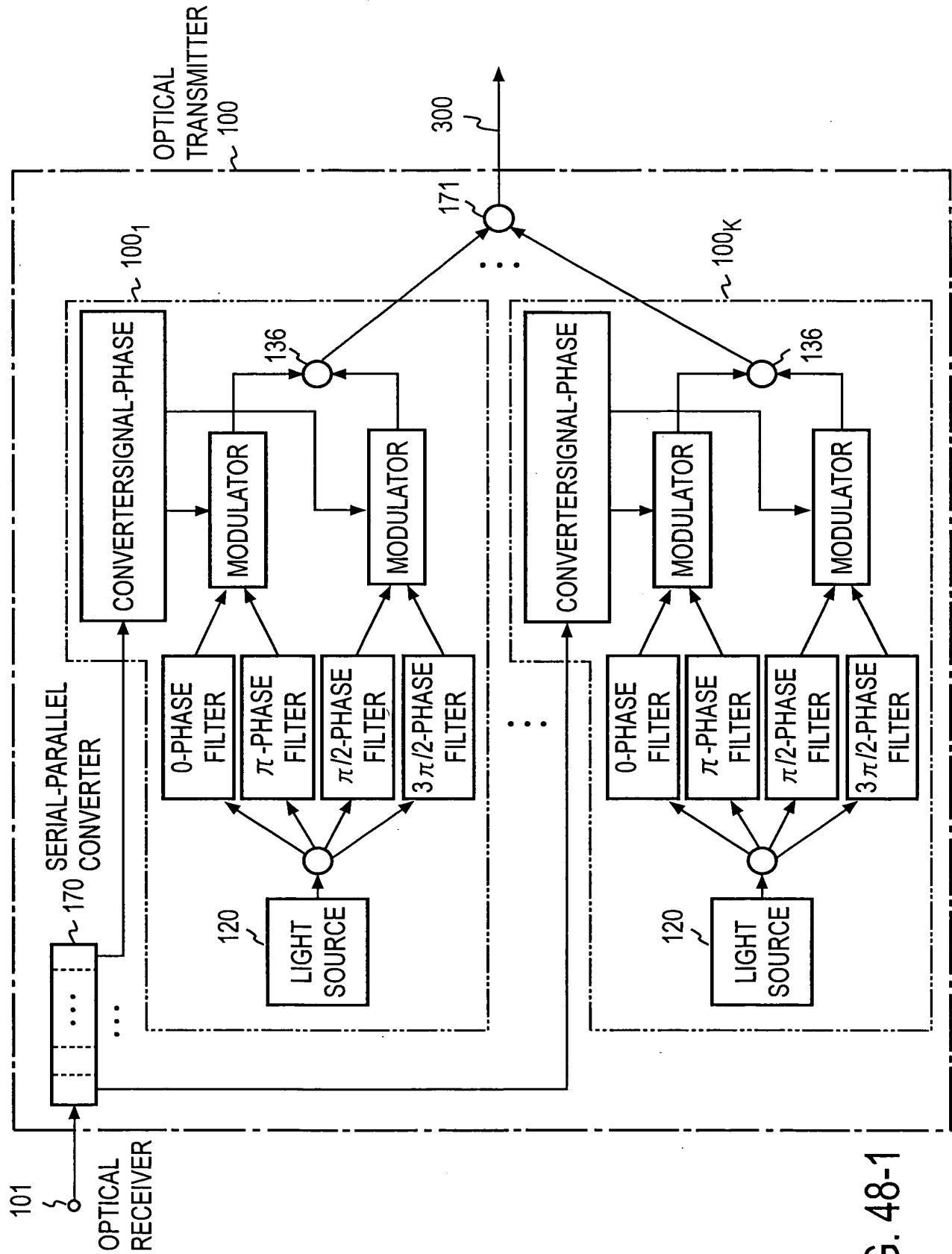


FIG. 48-1

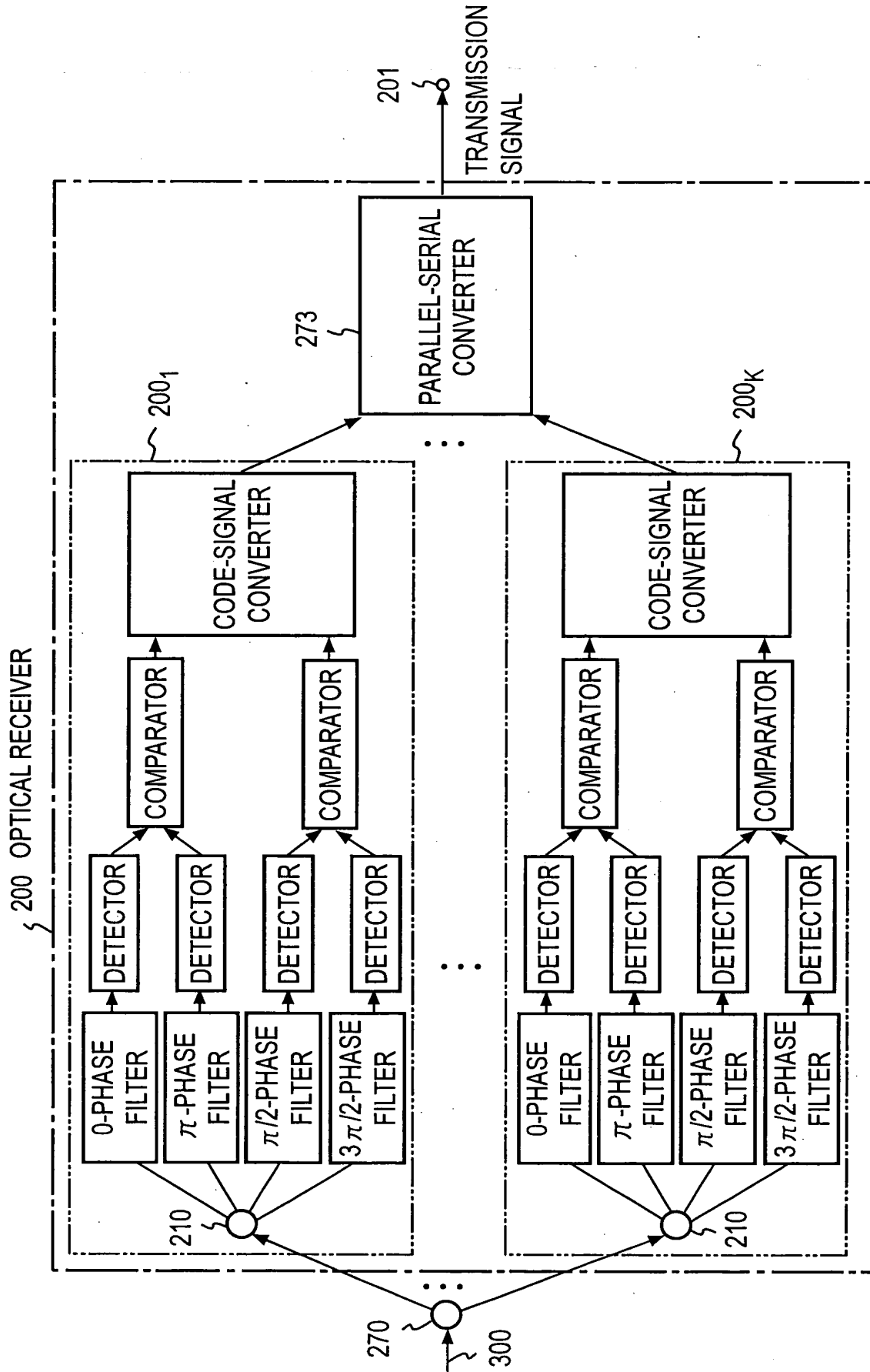


FIG. 48-2

FIG. 49

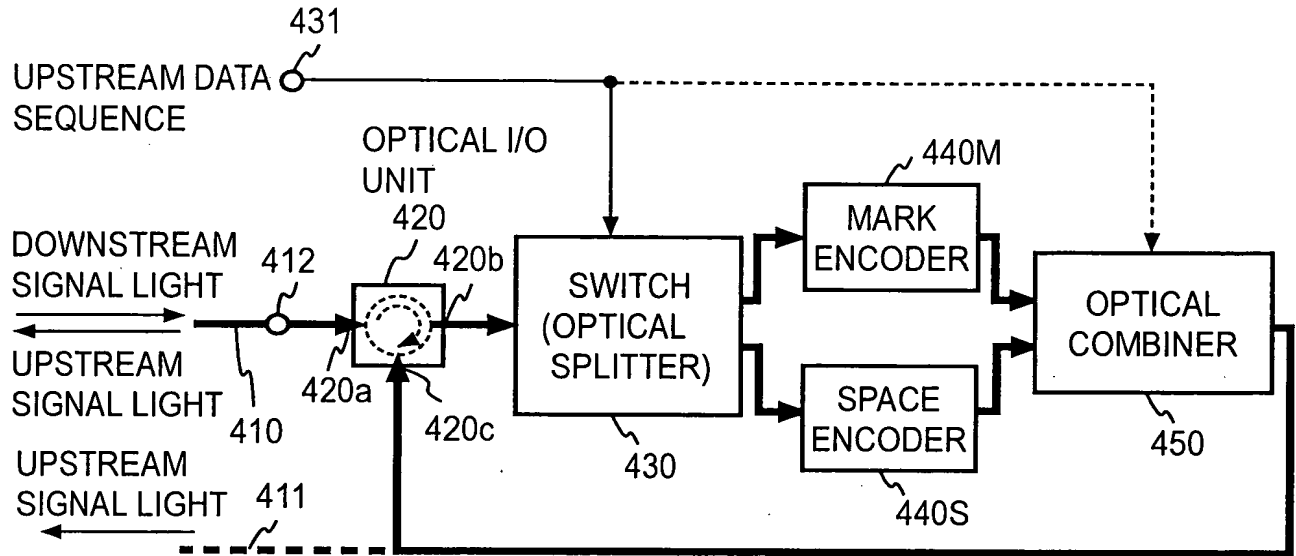


FIG. 50(a)

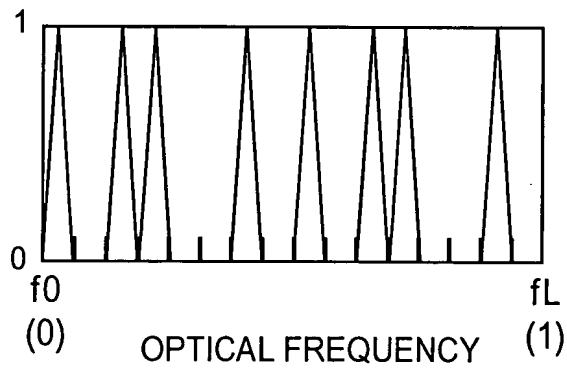


FIG. 50(b)

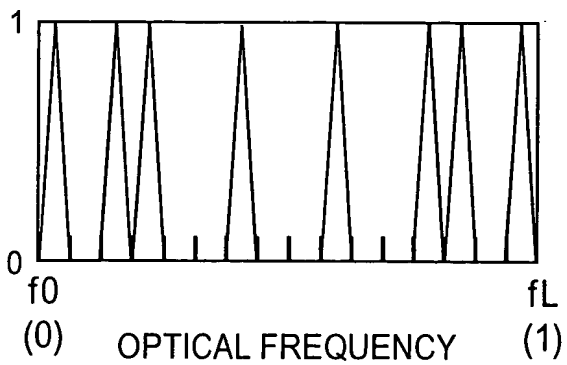


FIG. 51

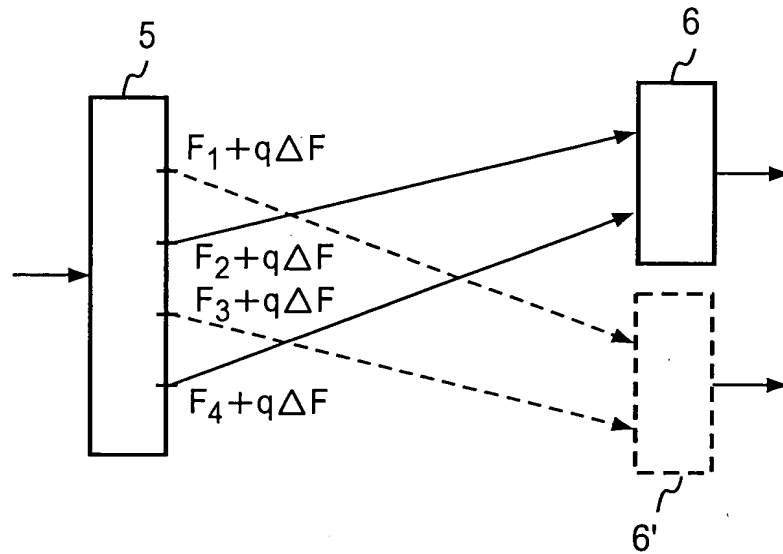
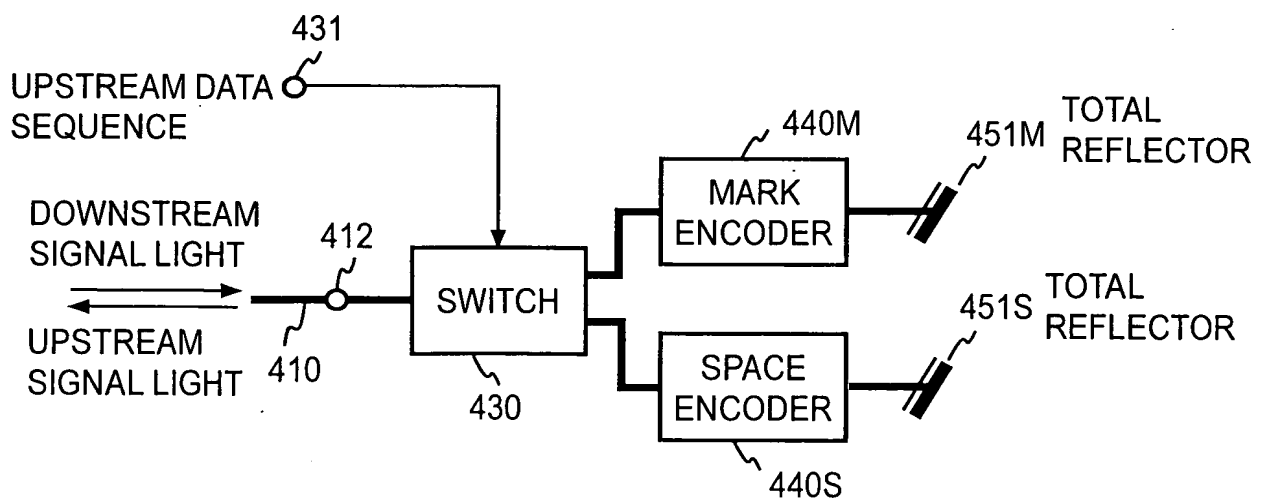


FIG. 52



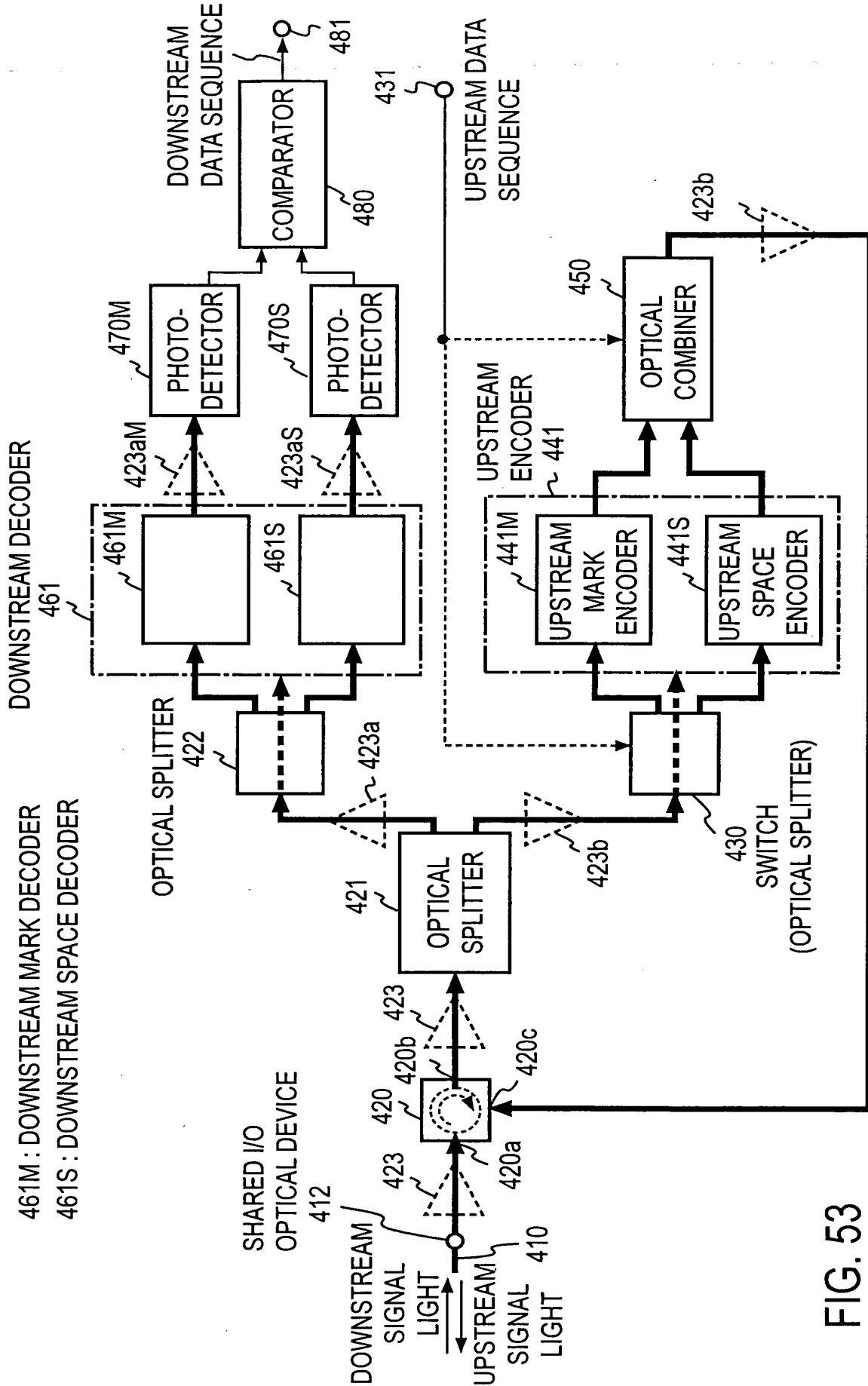


FIG. 53

FIG. 54(a)

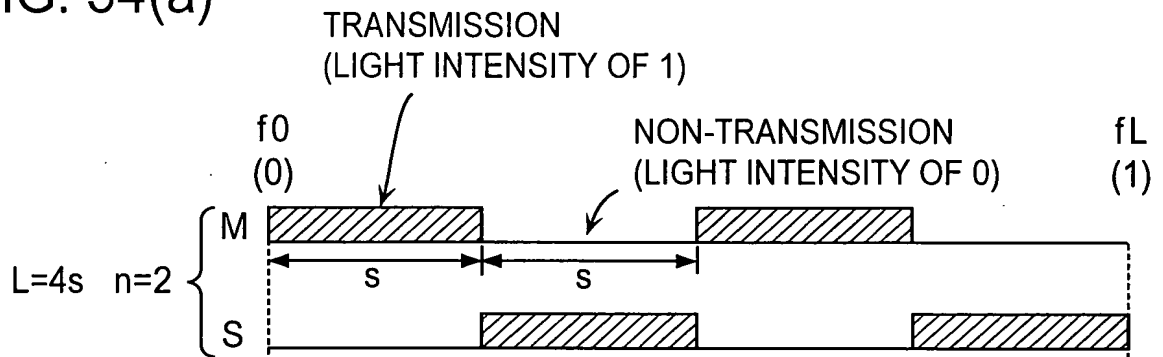


FIG. 54(b)

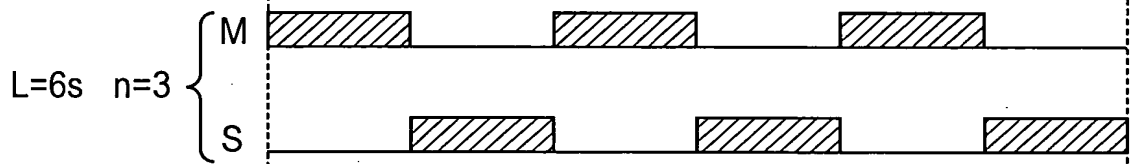
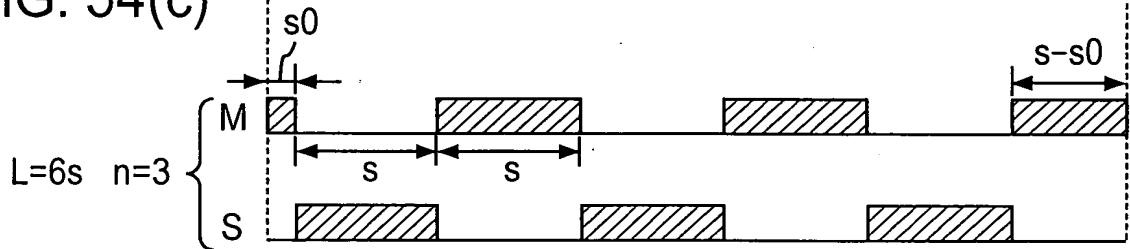


FIG. 54(c)



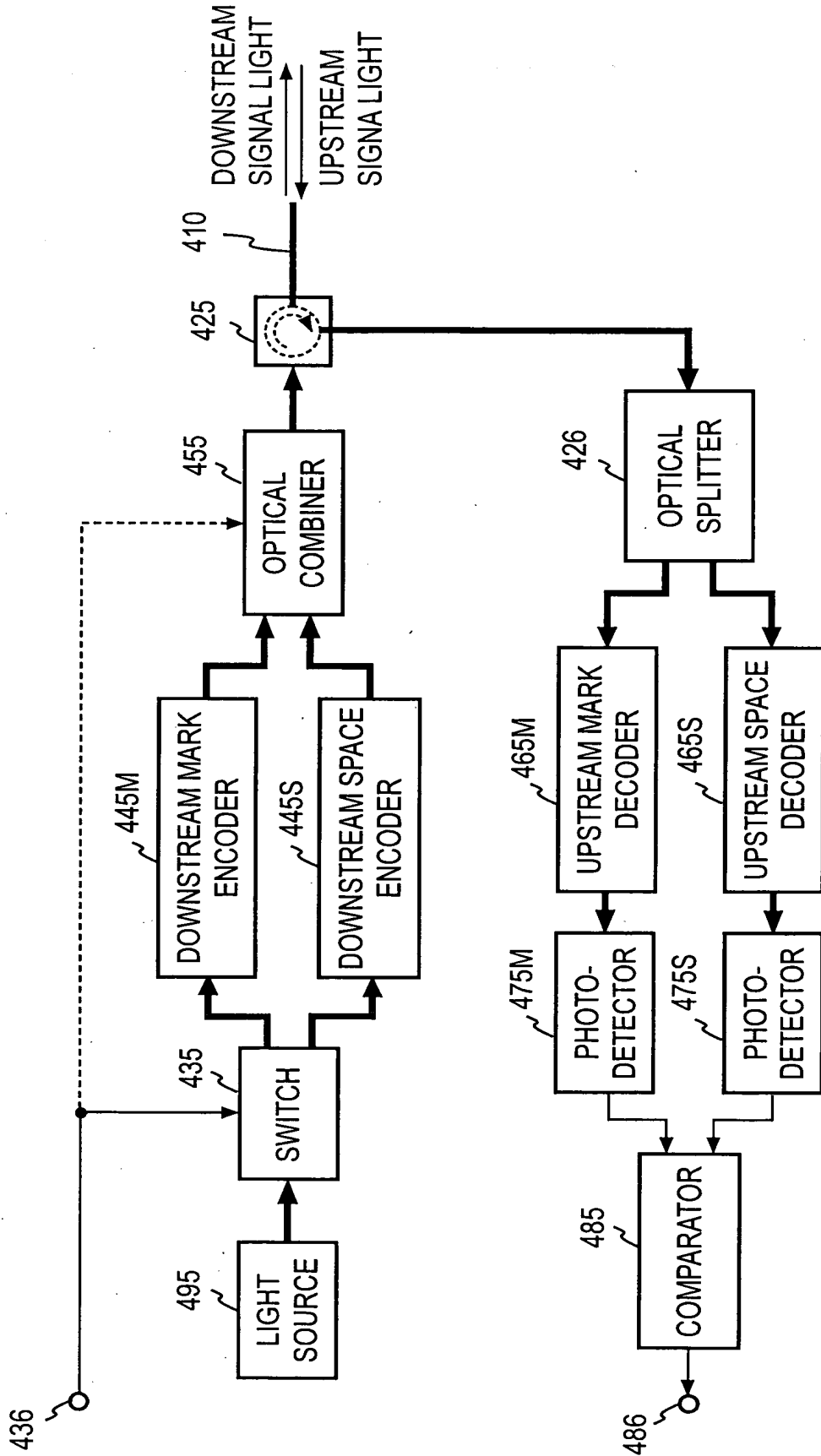


FIG. 55

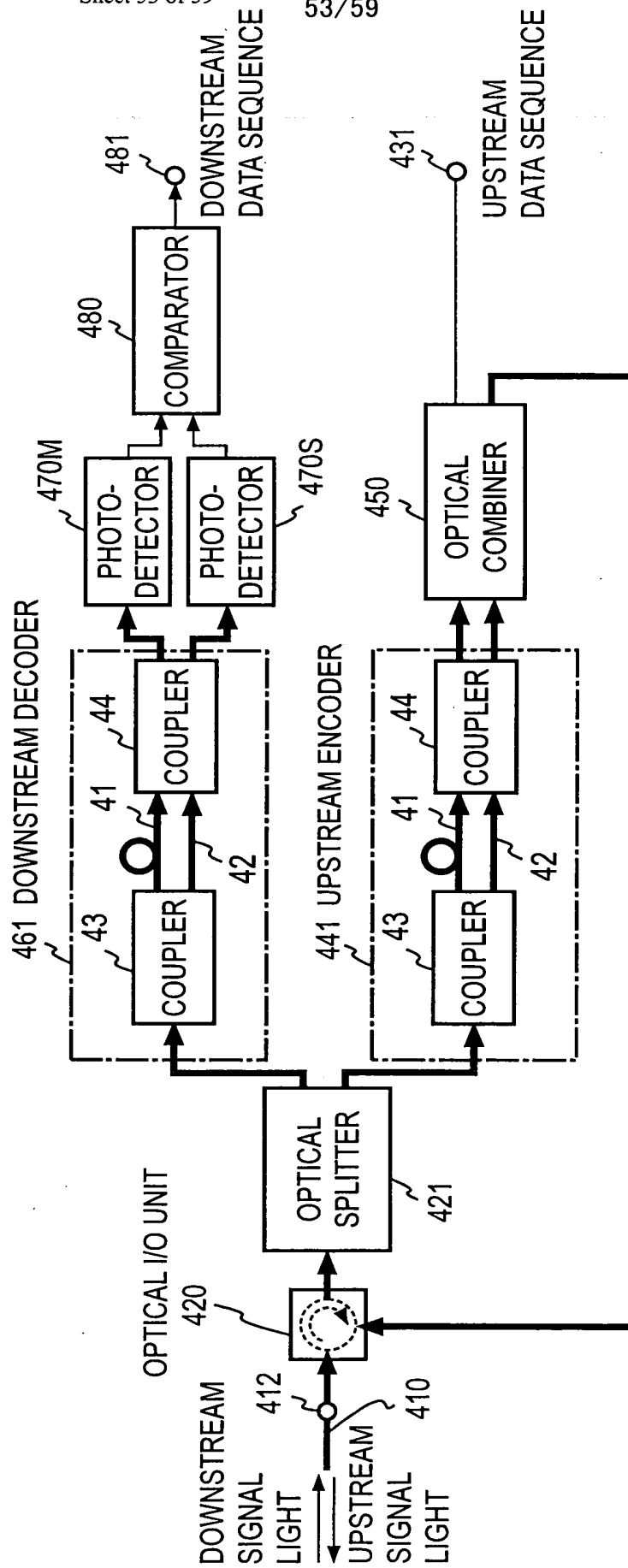
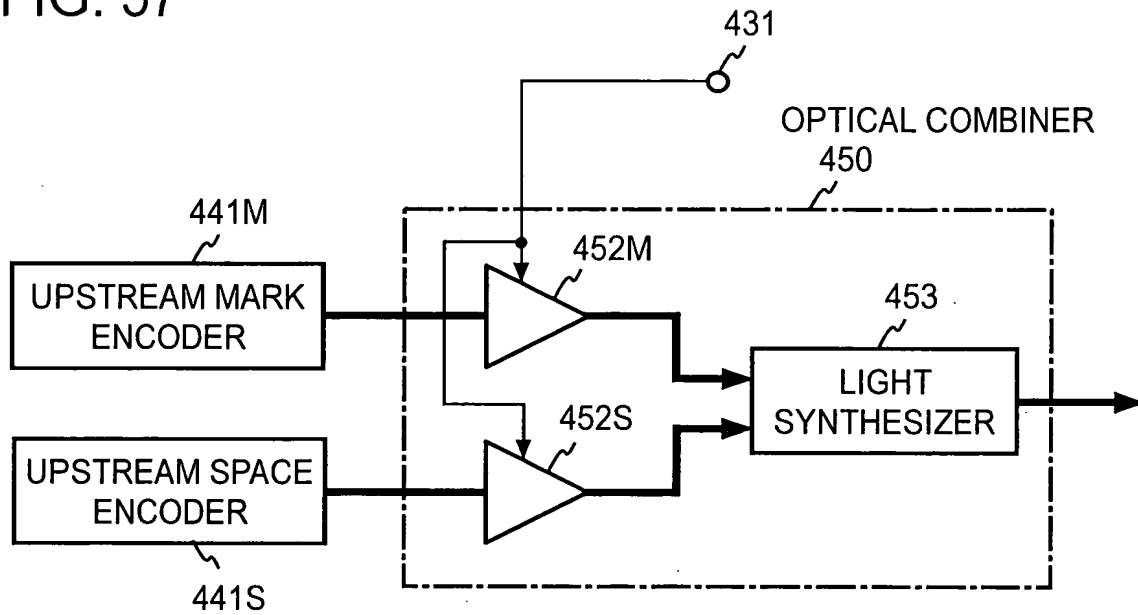


FIG. 56

FIG. 57



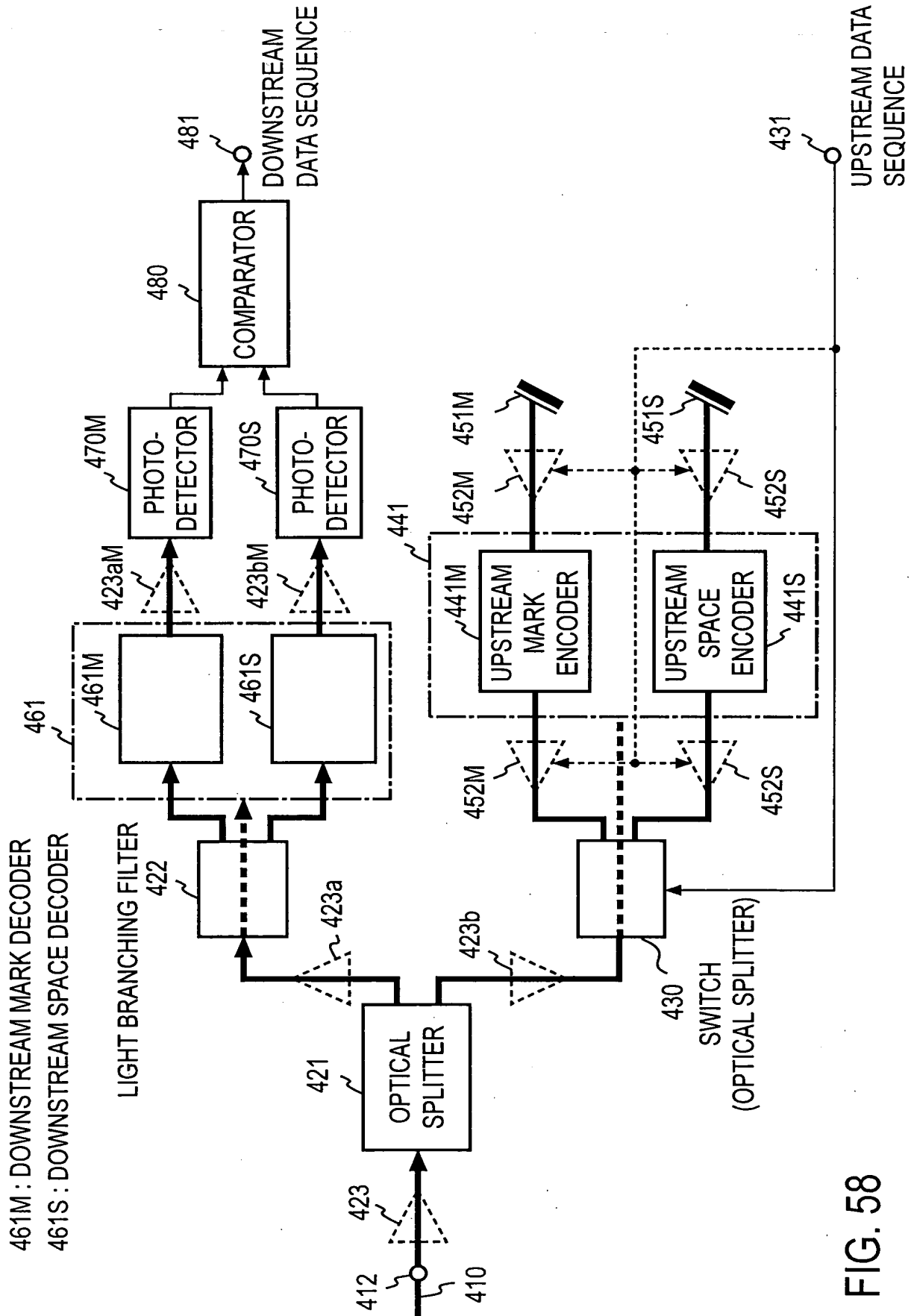


FIG. 58

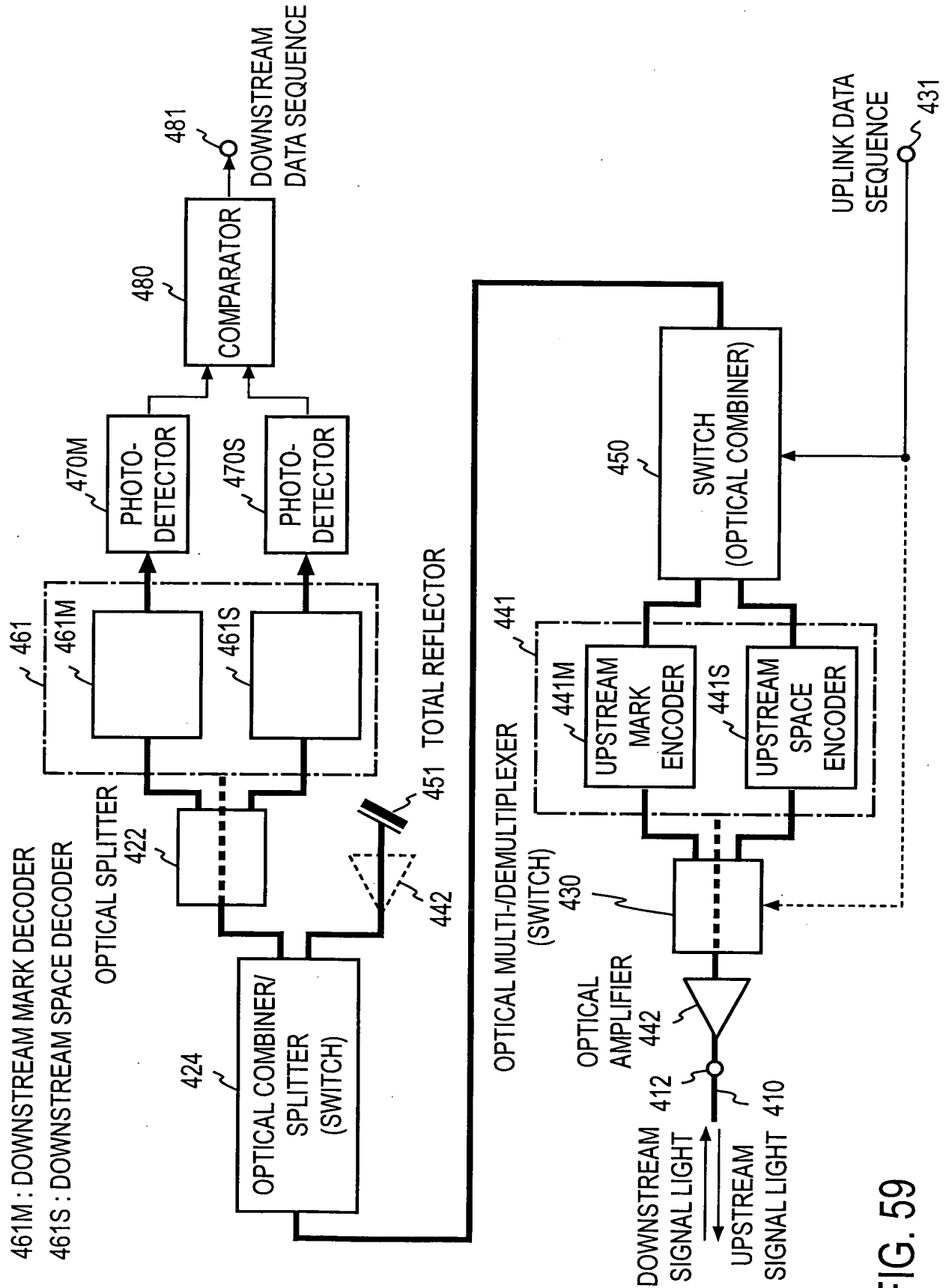


FIG. 59

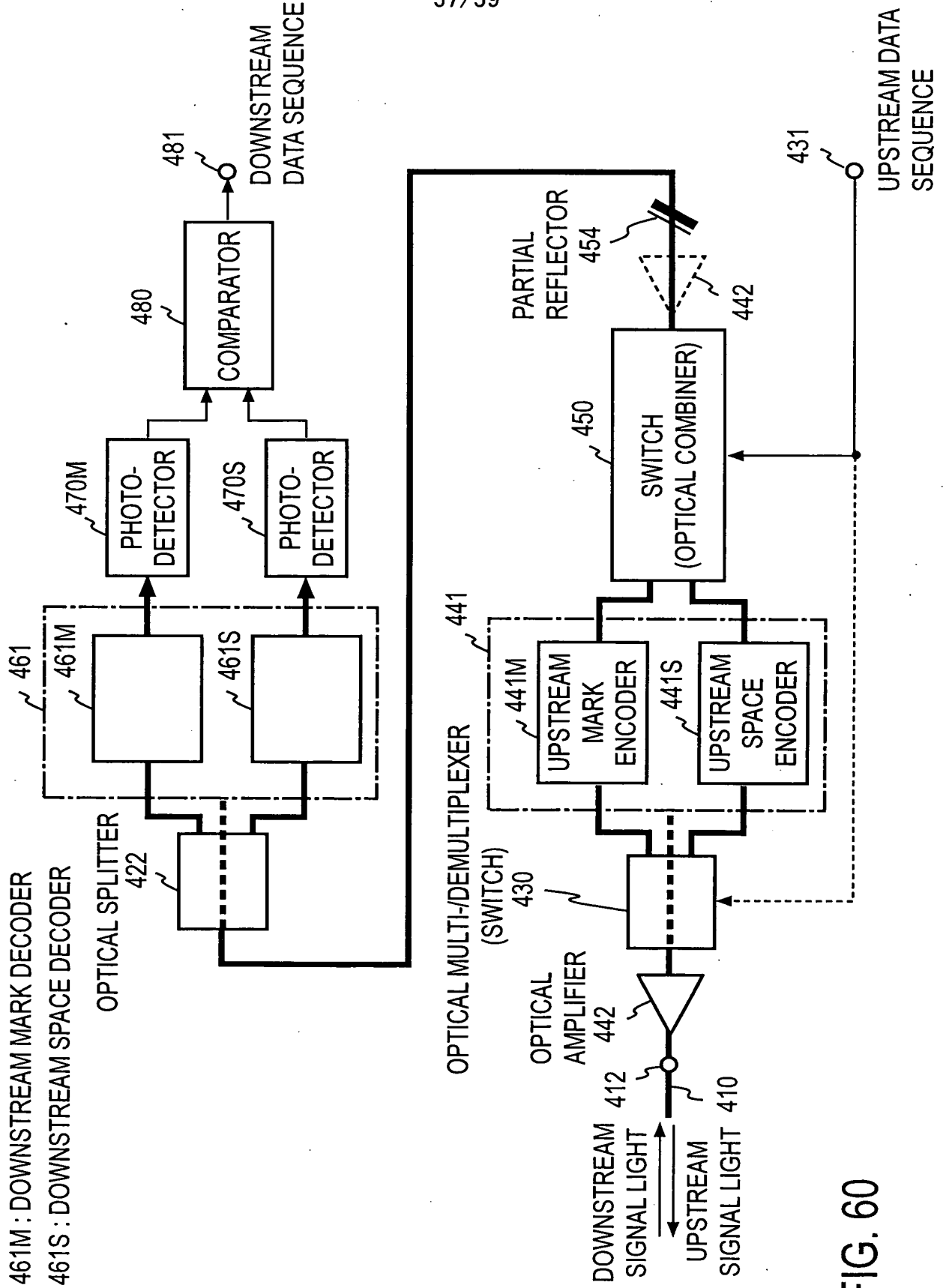


FIG. 60

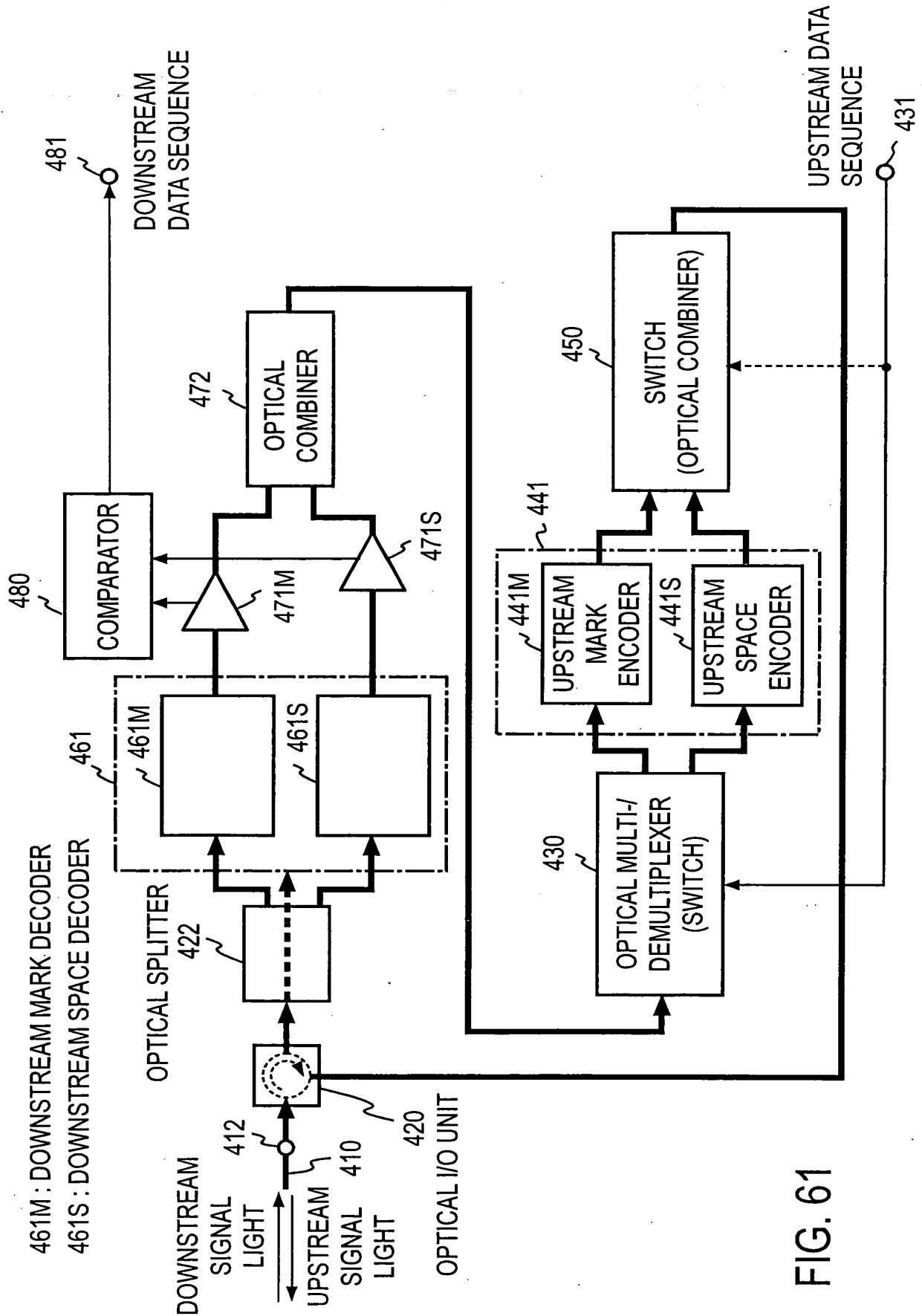


FIG. 61

